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BRUCE'S CATALOGUE OF Seeds FOR 1894



GORE PARK IN THE CITY OF HAMILTON,
WITH VIEW OF THE FIRST MONUMENT ERECTED
IN CANADA TO
SIR JOHN A. MACDONALD.



JOHN A. BRUCE & CO.

SEED MERCHANTS

HAMILTON, CANADA.

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The Following Catalogues are published during the year, and will be mailed free to all applicants :

No. 1.—Illustrated Seed Catalogue, published 15th January; a descriptive list of Agricultural, Vegetable and Flower Seeds, Culinary Roots, Garden Implements, Spring Flowering Bulbs, etc., etc.

No. 2.—Bulb Catalogue, published September 1st, containing a choice collection of Double and Single Hyacinths, Tulips, Polyanthus Narcissus, Crocus, Snowdrops, Crown Imperials, Lilies, etc.

No. 3.—Annual Fall Wheat Circular, published in August.

Plants and Seeds CAREFULLY PACKED for all Climates.

BUSINESS ESTABLISHED 1850.

John A. Bruce & Co.

EXPORTERS OF
CLOVER AND GRASS SEEDS.

SEED GROWERS AND MERCHANTS

OFFICE AND WAREHOUSE,
CORNER KING AND McNAB STREETS.

HAMILTON, CANADA, 1st January, 1894.



OFFICE AND SEED WAREHOUSE.

IN presenting the FORTY-THIRD ANNUAL EDITION of our ILLUSTRATED CATALOGUE OF SEEDS FOR THE FARM, VEGETABLE AND FLOWER GARDEN, GREENHOUSE AND FOREST, of Garden Implements and Agricultural and Horticultural Sundries for 1894, we again appeal with confidence to those who have patronized us so liberally in the past for a continuance of their favors, which have come to us with such gratifying regularity since the establishment of this business forty-four years ago; and we also avail ourselves of this opportunity to solicit from others whom we have not heretofore had the privilege of serving, a share of their patronage.

We are unfortunately called upon to refer to a calamity which in our long business career we have hitherto escaped, and from such another visitation we trust we may be long spared: On the morning of the twenty-second of November, the fine block which we erected nineteen years ago, the largest and most complete establishment of its kind in Canada, was destroyed by a fire which started in the adjoining premises, and buildings and contents were almost entirely destroyed. At the time of the fire we were busily engaged preparing some large shipments of Clovers and Grass Seeds for the European market and our loss was a heavy one; but fortunately for ourselves and for the Farming and Gardening Community, the season's crops from our European growers had not arrived, and we are therefore enabled to meet the requirements of our numerous customers, as it has been our good fortune to do for well on to half a century. We have secured temporary premises for the present, and will re-build and expect to be in our old quarters in good season for the spring trade.

We take this opportunity of thanking our many friends for their expressions of sympathy with us in this disaster. We greatly appreciate their kindness and the thoughtful consideration which prompted many such evidences of good wishes as the following: The Toronto Gardeners and Florists' Association, assembled at the Pavilion on the occasion of their Annual Chrysanthemum Show, passed the following resolution, moved by the President, Mr. Thos. Manton, seconded by Mr. Geo. Vair: "That this Association desires to express its deepest sympathy with "Mr. F. C. Bruce in the great loss he has sustained in the recent fire, and that they are in accord with the profession "in hoping that the citizens of Hamilton will continue to him the approbation that his long residence and business "ability entitle him to at their hands." Carried unanimously.

The season of 1893 has an exceptionally bad European record as a seed producer, a lengthened period of unusual heat and excessive drouth stunted vegetation and thereby curtailed the seed product to such an extent that the great seed growing districts in England, France and Germany, did not return to the growers one-quarter of an average crop, and in consequence there is a great scarcity, particularly of such seeds as Swedes, Mangels, Carrot, Radish, Peas and Beans, and prices are consequently higher: Onion Seed, on the other hand, will be sold at half last season's rates.

We shall endeavor to meet, as far as possible, the requirements of our trade, having had, fortunately for ourselves, an increased acreage under crop, which will materially aid us in providing for the shortage. Under existing conditions, we believe our prices will be found very moderate, and quite as low as those of any Canadian house with whom quality forms the first essential as a basis of values, and it shall always be our first consideration to maintain the reputation we have acquired for the superiority of our stocks, which has not only enabled us to retain the confidence of our customers, but to annually make large additions to their numbers.

Our Catalogue contains, as far as we have had opportunities of learning, nearly everything of value to those engaged in Agricultural and Horticultural pursuits. New introductions of Flowers, Vegetables and Field Roots are annually offered to the public, often with descriptive matter differing widely from the reality, and usually outlined by illustrations of an extravagant character; we have endeavored in our publications, as far as possible, to protect the Vegetable Kingdom from such caricatures. We invariably make ourselves acquainted with the value of what are termed Novelties before offering them, and when this cannot be done we give the raiser's description only; we make this reference in the interest of those who have not been using our seeds, and who may infer from the modest illustrations, that the product must necessarily be of the same dimensions. One trial will remove any misapprehension of this nature, and prove that in quality our stocks of Seeds for the Farm, the Garden and the Greenhouse will compare favorably with the best offered.

SUGGESTIONS TO CUSTOMERS.

Owing to the extended nature of our business connections, and the heavy expense incurred in collecting accounts, we conduct our business on CASH PRINCIPLES; therefore, orders to receive prompt attention must be accompanied by a remittance of the amount.

In making a remittance, purchasers will please be particular to send a sufficient amount to cover orders. When only a part of the amount is remitted, goods will be sent only to the amount of the remittance. Should the remittance exceed the amount of the goods sent, the balance will be returned to the purchaser. We have been compelled to adopt this rule on account of the inconvenience and expense of collecting small balances at the close of our business season. Remittances can be made in current Bank Bills, Post Office Orders or by Draft, and for amounts under one dollar in Postage Stamps. Post Office Orders are preferable to all others, as there is no possibility of loss, but when these cannot be obtained, Registered Letters are surest to reach their destination. We will guarantee the safe arrival of all packages when orders are accompanied by a Draft, Registered Letter, or Post Office Order. The cost of Post Office Order, Draft, or of Registering the letter, may be deducted from the remittance on orders amounting to two dollars and upwards.

We earnestly request our correspondents to be particular to give their Name, Post Office Address, County, Province, in full, distinctly written. We are in daily receipt of orders deficient in some of these important requisites, often causing a delay of weeks in the execution of their orders, greatly to their inconvenience as well as our own.

As the seed season continues only for a few months in the year, there is of course a great pressure of business when sowing commences. Except in cases of extreme urgency, all orders will be executed in rotation as received. We will therefore feel greatly obliged if our customers will kindly forward their orders as soon as possible after the receipt of this Catalogue.

FREIGHT AND EXPRESS RATES, ALSO MAILING CONDITIONS.

For the information and convenience of our customers in Manitoba, the Northwest Territories and British Columbia, we give below the present rates from Hamilton to the various points named. The rates between any two points will be proportioned according to distance. As these rates are subject to change, we cannot guarantee them.

FREIGHT RATES FROM HAMILTON—PER 100 LBS.

To—	On Barley, Oats, Buckwheat, Peas, and Wheat.		On Clover, Timothy, Hungarian, Mill- Red Top, and other Grass Seeds.	
	All Rail.	Lake and Rail.	All Rail.	Lake and Rail.
Port Arthur.....	\$0 64	\$0 31	\$0 88½	\$0 38
Winnipeg.....	0 96	0 87	1 22½	1 03
Brandon.....	1 17	1 08	1 53½	1 34
Regina.....	1 39	1 30	1 88½	1 69
Calgary.....	1 73	1 64	2 35½	2 16
Prince Albert.....	1 78	1 69	2 39½	2 20
Edmonton.....	2 06	1 97	2 80½	2 61
Vancouver, B. C.....	2 20	2 20	2 25	2 25
Victoria, B. C.....	2 20	2 20	2 25	2 25

EXPRESS RATES FROM HAMILTON.

To—	When not over—										
	5 lbs.	7 lbs.	10 lbs.	15 lbs.	20 lbs.	25 lbs.	30 lbs.	35 lbs.	40 lbs.	45 lbs.	50 lbs.
Port Arthur.....	\$0 70	\$0 85	\$1 00	\$1 10	\$1 25	\$1 50	\$1 60	\$1 80	\$2 00	\$2 25	\$2 25
Winnipeg.....	0 70	0 95	1 15	1 35	1 65	1 85	2 10	2 50	2 75	3 00	3 00
Portage la Prairie.....	0 75	1 00	1 20	1 50	1 75	2 00	2 50	2 75	3 25	3 50	3 50
Brandon.....	0 75	1 00	1 20	1 50	1 75	2 00	2 50	2 75	3 25	3 50	3 50
Moosomin.....	0 75	1 00	1 25	1 60	2 00	2 25	2 75	3 25	3 50	4 00	4 00
Regina.....	0 75	1 00	1 25	1 60	2 00	2 25	2 75	3 25	3 50	4 00	4 00
Calgary.....	0 75	1 00	1 50	2 00	2 50	3 25	3 75	4 25	4 75	5 25	5 50
Prince Albert.....	0 75	1 00	1 50	2 00	2 50	3 25	3 75	4 25	4 75	5 25	5 50
Edmonton.....	0 80	1 00	1 50	2 15	2 75	3 50	4 00	4 75	5 25	5 85	6 50
New Westminster, B. C.....	0 85	1 15	1 65	2 35	3 00	3 75	4 50	5 25	6 00	6 75	7 50
Vancouver, B. C.....											
Victoria, B. C.....											

Our postal arrangements enable us to forward Seeds, Bulbs and Plants not exceeding five pounds weight to any Post Offices in the Provinces of Ontario, Quebec, New Brunswick, Nova Scotia, Prince Edward Island, Manitoba, the Northwest Territories and British Columbia, at the rate of four cents per pound.

We invite the special attention of our Customers and those who have not yet favored us with their patronage, in Manitoba, Northwest Territories and British Columbia, and other parts of the Dominion, to our careful system of packing, which enables us to send by mail Seeds, Roots, Plants, etc., with perfect safety to the most distant points.

From the central position Hamilton occupies, with railroads diverging in every direction, goods can be forwarded with dispatch to every part of the Dominion and the United States.

Catalogues mailed to any address on application.

Sincerely thanking you for past favors, and soliciting a continuance of the same, with your kind recommendations,

We are, your obedient servants,

JOHN A. BRUCE & CO.

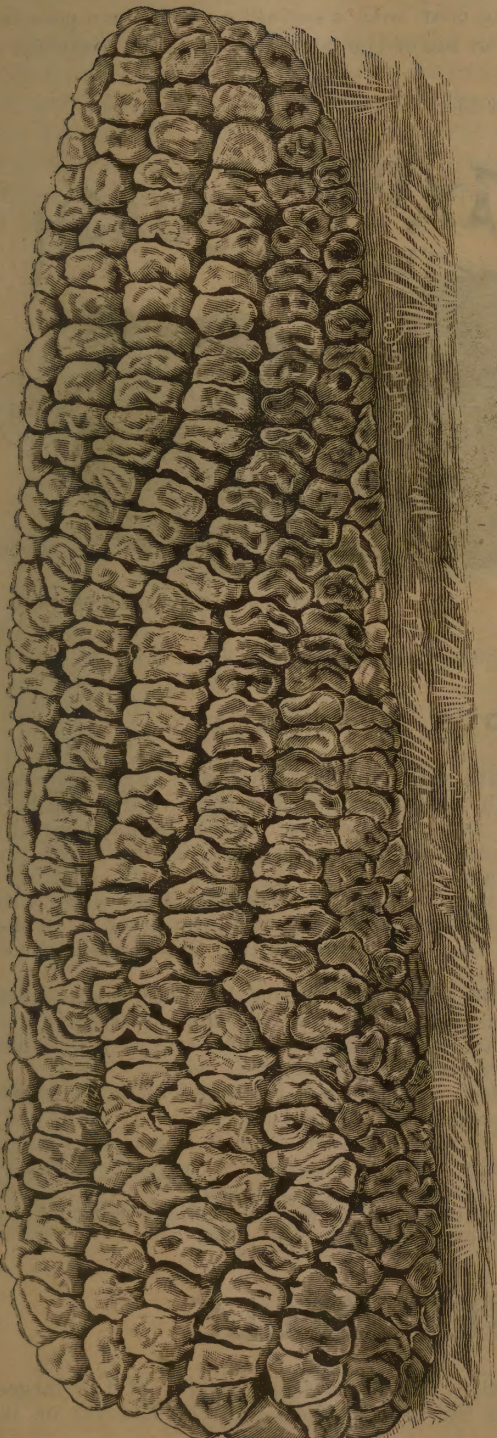
SUPPLEMENT

Novelties in Vegetables for 1894

NEW VARIETIES AND PROMISING SORTS OF RECENT INTRODUCTION.

THE DESCRIPTIONS GIVEN ARE THOSE OF THE RAISERS.

LIVINGSTON'S NEW Silver Coin Sweet Corn



The accompanying illustration, engraved from a photograph, shows an ear of Livingston's New Silver Coin Sweet Corn when fully shriveled and dry enough to shell readily. It is only two-thirds natural size. This plainly shows it to be a very large sort when in edible condition, and when we state that the stalks each produce usually two and occasionally three such ears, it will be seen what an immense cropper the Silver Coin Corn is. It is remarkable, however, that although of such large size, it is fully as early as Stowell's Evergreen. It is also more prolific and the ears more uniformly well filled at the ends, and in the point of remaining long in edible condition it ranks with our now celebrated Gold Coin.

The kernels are broad and deep and of pearly whiteness in all stages of growth. The depth of kernel is aptly referred to by one admirer who says that "those who like to eat corn without gnawing a cob will hail the new Silver Coin with delight." In fact, considering the tender and luscious quality of this grand new Corn, together with its depth of kernel, it is really a luxury to secure it after eating ordinary kinds. It will be found to excel in two very important points—productiveness and quality.

Per pint, 25c.; per quart, 40c.; per peck, \$2.25.

THE FREEMAN POTATO. The originator, Mr. Freeman, gives the following history and description of this variety: "The Freeman Potato came from the true seed of what is here called the Silver Tip Potato, the seedling being grown in 1885. The tuber is oval in shape, russett in color; flesh very white, both raw and when cooked; very fine grain and of very best flavor. The greatest merits of the variety are its extreme earliness and long keeping qualities. From the time they are as large as hen's eggs until new potatoes come in the next year, they burst open when boiled with their jackets on, and appear snow-white and floury. Last year (1889) I planted some of my Freemans on June 4th, and on July 13th—thirty-nine days from planting—I dug the first mess of fine potatoes for dinner. They grow very quickly, and ripen here several weeks in advance of Early Rose. My first general planting this year was ready to be put into the cellar August 1st, being then thoroughly ripe and vines dead. They are also a first-class yielder; I have frequently dug six to nine pounds from a single hill, and in rich ground there are few small ones."

Prices for 1894—1 lb., 20c.; 5 lb., 75c., post paid; per express, $\frac{1}{2}$ peck, 50c.; 1 peck, 75c.; per bush., \$2.00.

POTATO, BRUCE'S WHITE BEAUTY. We have the most gratifying reports of the undoubted superiority of this grand potato introduced by us three years ago, and it now takes first place with all the leading market growers and shippers. See illustration page 21.



LIVINGSTON'S ARISTOCRAT.

This fine, new variety in habit of growth and foliage resembles the "DWARF CHAMPION" very much and might be taken for that popular variety if it were not for the color of its beautiful rich, glossy red fruit, so much preferred in many localities to the purple or rose-colored varieties. The size, solidity, productiveness, smoothness, flavor of its fruit, etc., is up to the present day standard of excellence. It will be found especially desirable for forcing under glass and growing outside for early market purposes. It may be planted 3x3 feet or even closer making it also suitable for small gardens, where every foot of land is to be utilized. It is so smooth and round and its delicate tinted coat so glossy that it is entitled to the name "ARISTOCRAT." When ready for market its glistening coat, with a sprinkling of its own peculiar, dark, green foliage on top of the basket attracts the attention of every passer-by.

Price per packet 15c.



COPYRIGHT, 1893, BY M.B. FAXON CO.

Prices for 1894—Packet, 15c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.25.

DESCRIPTION OF THIS DELICIOUS VEGETABLE.

The raiser says: "We have carefully tested this new squash for five years, and have had two of the very best squash experts in this country thoroughly try this new vegetable for the same period. Had their verdict not been satisfactory, we should not now have offered you 'The Faxon Squash,' as we would have felt that perhaps our own opinion might have been a prejudiced one. Our engravings have been most carefully reproduced from photographs and will give you a good idea of the shape and general appearance of this new variety.

"A distinctive feature of this squash is that the ripe squashes vary in color, some of them being pale yellow with still paler yellow stripes in hollows, while others are green, mottled and faintly striped with a lighter green. In this respect it is different from all other varieties, and after years of careful trial we have found that this squash follows its type absolutely true and we can offer this squash to you as a distinct new vegetable.

"The flesh is a deep orange yellow, cavity very small and seeds few; the special peculiarity, however, is that while uncooked it appears to have a shell like any squash, when cooked there is practically none, the shell or inedible part being only about as thick as a sheet of writing paper. It is the best squash we ever tasted—sweet and very dry—and for squash pies it must be tried to be appreciated. We know a trial will convince all of its great value.

"It matures early and can be used as a summer squash. It is the best winter variety we know of, being a very late keeper, we having repeatedly had squashes in our cellar in perfect condition in April and May. It is the only squash we ever saw that every specimen is of superior quality without regard to size or whether it is ripe or green. This is a very desirable feature, as many squashes (the Hubbard especially) must be thoroughly ripe before frost, or the crop is lost. It is not so with 'The Faxon Squash'; every specimen can be gathered and used.

"Very early, enormously productive, of medium size and the best possible quality, we fully believe that this new variety is destined to become a standard amongst squashes both for home use and market purposes."

MUSK MELON, JERSEY BELLE

Novelty of last year This has proved to be a valuable introduction. Reports from several of the largest Melon Growers, fully sustain what the raiser claims for it, viz: that it is the first to ripen, and the LARGEST OF ALL THE FIRST EARLY SORTS. For prices, see Melons, page 16.

Bruce's Vegetable Seeds

DESCRIPTIVE LIST FOR 1894.

WITH BRIEF HINTS ON THEIR CULTIVATION.

CONDITIONS OF SALE—John A. Bruce & Co. take every precaution to supply reliable seeds, but give no warranty, express or implied, as to description, quality, growth, productiveness, or any other matter of any Seeds they send out, and they wish it to be distinctly understood that they will not be in any way liable for any loss arising from any failure thereof, or responsible in any way for the crop. All goods bought from them must be accepted on these conditions.

SEEDS BY MAIL.—All seeds are sent free of charge at Catalogue prices when the weight does not exceed four ounces; when pints and pounds are ordered add four cents for postage. To the people of the Maritime Provinces, British Columbia, Manitoba and the Northwest Territories, as well as to the outlying districts of Ontario and Quebec this arrangement is an inestimable boon, as they are thereby enabled to procure supplies of reliable Vegetable Seeds, Selected Stocks of Field Root Seeds and Choice Flower Seeds at less cost than a doubtful article can be procured in their own vicinity.

ARTICHOKE. *Artschant*, Fr. *Artischoke*, Gr.

Sow in April or May, in drills two inches deep; thin the plants to four inches and when strong, transplant to deep, rich soil, two feet apart each way; keep the earth loose about them in the summer; and cover during the winter with dry litter or leaves for protection.

	Per pkt.	Per oz.
Green Globe	5c.	40c.

Jerusalem Artichoke. This well-known vegetable is much esteemed by many for pickling, or for slicing in vinegar like the cucumber; it also makes excellent food for stock when boiled. It flourishes best in a light, rich soil. Per bushel, \$2.50; per peck, 75c. Five pound packages by mail (postage paid) for \$1.00.

ASPARAGUS. *Asperge*, Fr. *Spargel*, Ger.

(One ounce will sow a row of thirty feet.)

This favorite esculent delights in a deep, rich soil, well manured; sow the seed early in spring in drills one foot apart; when two years old they should be transplanted into beds highly manured with well decomposed stable dung to the depth of two-and-a-half feet; plant in rows one foot apart, and eight inches apart in the rows. Spread out the roots all round, and carefully shake the soil in amongst the roots and cover to a depth of two inches. Before winter sets in cover the beds with six inches of manure, and in the spring give a top dressing of salt. A famous horticulturist remarks: "There are five contingencies essential for obtaining an abundance of fine Asparagus. 1. Beds well drained. 2. A liberal allowance of rich dung in autumn. 3. Weekly sprinklings of salt and strong liquid manure during the whole period of growth. 4. Leaving off cutting by middle of June. 5. Not cutting down the seed stems before they are quite yellow."

Asparagus.

Conover's Colossal. An American variety of large size, tender, productive, and of excellent quality	Pkt.	Oz.	2 Oz.	$\frac{1}{4}$ lb.	1 lb
	5	10	15	20	60

Early Purple Giant Argenteuil. A large and productive variety, cultivated extensively for the Paris and other continental markets. Highly recommended.....	5	10	15	30	1 00
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Late Purple Giant Argenteuil. Similar to preceeding, but later.....	5	10	15	30	1 00
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ASPARAGUS ROOTS.

Conover's Colossal. Fine two-year-old roots, per 100.....	\$1 00
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Early Purple Giant Argenteuil. Two-year-old roots, per 100	1 50
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Palmetto. An early extra large variety, per 100.....	1 50
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Special price per 1000. If to be sent by mail, add 40c. per 100 to the price.

BEANS—Dwarf or Bush. *Haricot*, Fr. *Buschbone*, Ger.

One pint will plant a row of 50 feet.

The Dwarf or Bush varieties should be planted in rows, two and a half feet apart, and two or three inches in the row. They are very sensitive of the frost or cold, and should not be planted before the second week in May. Hoe often, and keep the ground mellow and draw the earth up to the plants. The Pole, or Running Varieties should not be planted until the frosts are past; plant in hills three feet apart from each other, and in the hills place poles from six to eight feet high. Keep free from weeds, and draw the soil well up to the plants.

BEANS—Dwarf or Bush—Continued.

Flageolet Golden Wax.

DWARF YELLOW PODDED SORTS.

	Pt.	Qt.	Peck.
Golden Wax , an extra early variety with stringless pods, tender and delicious.....	15	30	\$2 00
Flageolet Golden Wax . This variety produces larger and longer pods than any other of the Yellow Podded sorts. It is very productive, and for market purposes cannot be excelled...	15	30	2 00
Black Wax or Butter , pods transparent, waxy yellow, thick and very tender	15	30	2 00
Wardwell's Kidney Wax , extra early, pods long and flat, remarkably free from rust.....	20	40	2 25
White Wax or Butter , similar to the Black Wax, except in color, which is pure white....	15	30	2 00
Crystal White Wax , pod long and slender; excellent for canning.....	20	40	2 00
Detroit Wax , the hardiest and least liable to rust of all the butter beans; very productive..	20	40	2 00

DWARF GREEN PODDED VARIETIES.

	Pt.	Qt.	Peck.
Early Valentine , early, productive, tender, succulent and of excellent flavor.....	15	30	\$1 50
Early China , very early and of fine quality.....	15	30	1 50
Early Yellow Six Weeks , early and prolific, good for general crop.....	15	30	1 50
Early Mohawk , one of the hardiest and most productive.....	15	30	1 50
Early Dun-colored , very hardy and productive; fine flavor.....	15	30	1 50
Refugee or One Thousand to One , great bearer, though not early; best for pickling.....	15	30	1 50

DWARF WHITE BEANS.

Bush Lima (Henderson's) , dwarf and productive.....	Per pkt. 5c., per pint 25c
Large White Kidney , excellent as a shell bean	Pt. 15c., qt. 30c., peck \$1.25

For White Field Varieties, see Agricultural Seeds.

English Dwarf Beans. Fève de Maris, Fr. Grose Bohne, Ger.

The English Beans are very hardy, and should be planted as early as possible after the ground is open; plant in drills two and a half feet apart, and three inches in the drills; when they are in full bloom and the lower pods set, pinch off the tops; this will ensure the filling of the pods, and hasten maturity. A strong, heavy soil suits them best.

	Per pt.	Per qt.
Taylor's Broad Windsor , the largest and best of the class for general use.....	20	40
Sword Long Pod , very productive, fine variety.....	20	40

Pole or Running. Haricot a Rames, Fr. Stangen Bohne, Ger.

One pint will plant about seventy-five hills.

	Per pt.	Per qt.
Dutch White Caseknife , very productive and fine flavor.....	20	40
Large Lima , the best of all the pole beans; plant when the ground is dry and warm.....	25	50
Scarlet Runners , very prolific, mostly grown as an ornamental plant.....	25	50
Giant Wax , (red seed), an extra early variety, with stringless pods.....	30	60
Black Wax or Butter , an excellent variety, with tender succulent pods.....	20	40
Asparagus or Yard Long , pods tender and sweet.....	Per pkt. 10c., per pint 50c	

BEETS. Betterave, Fr. Runkle Kuben, Ger.

One ounce will so a row of 40 feet; 5 lb. for an acre.

Beets require a deep mellow soil; may be sown from early spring to commencement of summer. The winter crop, to be tender, should not be sown too early. Sow in drills eighteen inches apart, and thin out the plants gradually to six inches from each other. Keep the soil well stirred throughout the season.

ROUND VARIETIES.

	Pkt.	Oz.	2 Oz.	½ lb.	1 lb.
Egyptian Dark Red Turnip . A standard extra early variety; very deep red, tender, and fine flavor. The best for early market.....	5	10	15	25	75
Eclipse , an extra early turnip-shaped variety, remarkable for its rapid growth. The roots grow smooth, round shape; intense red skin, flesh very fine grain and sweet.....	5	10	15	25	75
Edmonds Early . One of the most uniform of all Turnip Beets, with small tops of bronze red. The bulbs are handsome and round, smooth and of good marketable size, fine quality, exceedingly sweet and tender. Skin and flesh dark blood red.....	5	10	15	25	65
Dewing's Improved Blood Turnip , roots deep blood red and of fine form and flavor..	5	10	15	25	65

BEETS—Continued.**ROUND VARIETIES.—Continued.**

	Pkt.	Oz.	2 Oz.	$\frac{1}{4}$ lb.	lb.
Early Blood Turnip , very tender, and good for early and late use.....	5	10	15	25	65
Surprise , an early sort, the flesh being fine grained, tender and sweet, light color.....	10	20	35	50	1 50
The Lentz , a fine early variety of excellent quality, good keeper.....	5	10	15	25	75
Early Bassano , very early, tender and juicy, light color.....	5	10	15	25	65

LONG VARIETIES FOR WINTER USE.

	Pkt.	Oz.	2 Oz.	$\frac{1}{4}$ lb.	lb.
Bruce's Long Dark Blood , grows to a good size, half out of the ground, and with few or no side shoots; color dark red; good keeper. This variety has taken first prize at all the leading exhibitions.....	5	10	15	25	75
Carter's Perfection Salad Long Blood , roots perfect in form, of delicate texture, and fine flavor.....	5	20	30	50	2 00
Non Plus Ultra , roots medium size, dark blood color with deep crimson leaves, which have a metallic lustre.....	5	20	30	50	1 50
Dell's Improved Black-leaved , a fine dark foliaged variety, the best for flower garden decorations, color deep purple.....	5	25	40	75	2 00
Beck's Improved Sea Kale or Swiss Chard . The leaf stocks which are served up like sea kale, are by many considered as quite equal to that favorite esculent.....	5	10	20	30	1 00



Dewing's, Eclipse, Egyptian, Edmand's Early.
For description see page 6.

For White Sugar Beets see Agricultural Seeds.

BORECOLE or KALE. Chou Vert, Fr. Grune Kohl, Gr.

Sow early in spring, and cultivate the same as cabbage. They supply a stock of excellent greens for spring and fall use.

	Pkt.	Oz.	2 Oz.	$\frac{1}{4}$ lb.
Green Curled Scotch , very hardy, and is improved by a moderate frost.....	5	15	25	40
Dwarf German , a dwarf variety, leaves yellowish green and finely frilled.....	5	15	25	40
Egyptian Kale . This variety, sown in the fall, produces nice spring greens.....	5	15	25	40

BROCOLI. Brocoli, Fr. Spargel Kohl, Gr.

Sow end of April in the open ground, then transplant about two feet apart in deep rich ground. They produce heads similar to Cauliflower. When they begin to flower break the large leaves over the head to protect them from the sun.

	Pkt.	Oz.	2 Oz.	$\frac{1}{4}$ lb.
Early Purple Cape , one of the hardiest and sure to head.....	10	20	40	75
Walcherene , a valuable sort, with large white heads.....	10	50	85	1 50

BRUSSELS SPROUTS. Chou de Bruxels, Fr. Kopf Kohl, Gr.

Sow seed in May, transplant and cultivate same as cabbage. They grow from two to three feet high, and produce little heads from the axles of each leaf. They are very tender when touched by frost.

	Pkt.	Oz.	2 Oz.	$\frac{1}{4}$ lb.
Improved Dwarf , extra fine.....	5	20	35	60

CABBAGE. Chou Pomme, Fr. Kohl, Ger.

One ounce will sow a bed four feet by ten and furnish about 2000 plants.

Sow the early varieties in hot beds or frames, from February to April for early crops, and in the open ground as soon as the soil is in working order. For Fall and Winter Cabbage, sow the seeds in beds in the open soil at the end of April or early in May, and transplant into well manured ground. Early varieties should be planted in rows two feet apart, and fifteen inches in the rows; late varieties, two and a half feet each way. The ground must be well worked to produce good heads. Hoe often and draw the earth around the plant.

To destroy the green worm that is so destructive to the leaves and heads of Cabbage and Cauliflower use Hammond's Slug Shot, it is fatal to insect life in every form in which they are injurious to vegetation.

EARLY VARIETIES FOR SUMMER USE.

	Pkt.	Oz.	2 Oz.	$\frac{1}{4}$ lb.	lb.
Express , extra early, excels in earliness all others; it has the shape and appearance of Early Etampes, but is smaller, and eight to ten days earlier; has but a few outside leaves and therefore may be planted very close and yield large crops; for forcing can hardly be surpassed.....	5	30	60	\$1 00	\$3 50
Early Etampes , a fine extra early, ox heart shape, and of excellent quality.....	5	30	60	1 00	3 00

CABBAGE—*Continued.*

Selected Jersey Wakefield Cabbage.



Henderson's Early Summer Cabbage.

EARLY VARIETIES—*Continued.*

	Pkt.	Oz.	2 Oz.	$\frac{1}{4}$ lb.	lb.
Selected Early Jersey Wakefield. To most growers the merits and characteristics of this variety are well known. To those who may not be familiar with it, we would say that it is justly considered by market gardeners as one of the best and most reliable early cabbages in cultivation. The seed we offer is unequalled in quality.....	5	30	50	80	\$3 00
Henderson's Early Summer, about ten days later than the Wakefield, but fully double the size of that well-known variety, is offered as one of the best large early cabbage.....	5	25	40	75	2 50
Burpee's All Head. The raiser says: "The epitome of our claims for the All Head Early Cabbage is earliness; large size; great productiveness; good quality, and its adaptation to the market gardeners necessity for an all-the-year-round Cabbage.".....	5	25	40	80	3 00
Early Winningstadt, a standard variety for general use; heads large and remarkably solid; keeps well in hot or cold weather; quality first rate.....	5	25	40	75	2 50
Early York, an old and favorite variety, tender and fine flavored.....	5	20	35	60	2 00
All Seasons, a variety that has justly become very popular, and we recommend it to market gardeners and others. The heads are of large size, round, flattened at the top, and are ready to market nearly as early as Henderson's Summer, while they are hard and solid, and keep well during winter if planted late.....	5	30	50	80	3 00



Fottler's Improved Brunswick Cabbage.

Nonsuch. Claimed by the introducer, who is a celebrated Long Island grower, to be the best second early or *all seasons* variety yet introduced, of the Flat Dutch type, solid and of the finest quality; it will produce the largest heads in the shortest time of any cabbage grown. Per pkt., 5c.; oz., 30c.; 2 oz., 50c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.

LATE VARIETIES FOR FALL AND WINTER USE.

Fottler's Improved Short Stemmed Brunswick. This, for a fall or a winter cabbage, is without a rival. The heads are large and solid, often weighing from 20 to 30 pounds; it is a sure header, splendid keeper, and of excellent quality. The most profitable variety to grow. Per pkt., 5c.; oz., 20c.; 2 oz., 35c.; $\frac{1}{4}$ lb., 70c.; lb., \$2.50.

Vandergaw, a medium late and sure heading variety. Per pkt., 5c.; oz., 30c.; 2 oz., 50c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.

Burpee's Surehead. A large and sure-heading main crop cabbage; a splendid keeper and shipper. Per pkt., 5c.; oz., 30c.; 2 oz., 50c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.

St. Dennis Drumhead, a favorite winter variety; heads large and very solid. Per pkt., 5c.; oz., 25c.; 2 oz., 40c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.



Premium Flat Dutch Cabbage.

CABBAGE—Continued.

	Pkt.	Oz.	2 Oz.	$\frac{1}{2}$ lb.	lb.
Premium Flat Dutch , a popular variety, tender, and of superior quality.....	5	25	40	75	2 50
Quintal Drumhead , a well-known late sort, of fine quality.....	5	25	40	80	3 00
Marblehead Mammoth Drumhead . Heads have been exhibited which weighed from 40 to 60 pounds each.....	5	35	60	1 00	3 50
Large Late Drumhead , a well-known variety, with large, solid heads.	5	20	30	60	2 00
Filderkraut . Conical shaped heads, with very few side leaves. This variety is largely used in Germany in the manufacture of "Kraut."	5	25	40	75	2 50

SAVOY CABBAGE.

	Pkt.	oz.	2 oz.	$\frac{1}{2}$ lb.	lb.
Large German Drumhead . Our stock of this favorite winter variety is unsurpassed for purity, and never fails to produce, large, solid heads... ..	5	25	40	75	\$2 50
Green Globe , heads small but tender, and of fine quality.....	5	20	35	60	2 00

RED CABBAGE.

	Pkt.	oz.	2 oz.	$\frac{1}{2}$ lb.	lb.
Large Red Drumhead , produces very large, solid heads, of fine, deep purple color; the best of the class.....	5	25	40	75	2 50
Red Dutch , a favorite sort for pickling; heads not as large as preceding.....	5	20	35	60	2 00



Drumhead Savoy.

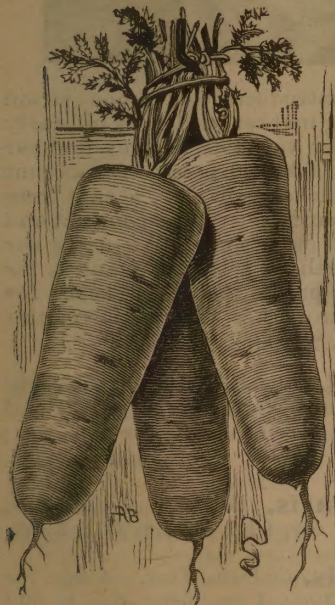
CABBAGE PLANTS.

(All the leading varieties—Prices on application.)

CARROT. Carrote, Fr. Mohren, Ger.

One ounce will sow a row of 100 feet; three to four pounds for one acre.

The Carrot is an important root for the farm or garden, and deserves extensive cultivation. It succeeds best in a light sandy loam, richly manured and deeply dug. For early crops sow in rows eighteen inches apart, and thin out to six inches in the row. Hoe often between the rows and keep clear of weeds.



Chantenay.

Early Scarlet French Horn, stump rooted, color deep scarlet, and fine flavor. Per pkt., 5c.; oz., 10c.; 2 oz., 15c.; $\frac{1}{2}$ lb., 30c.; lb., \$1.00.

Early Guerande Half-Long, stump rooted, intermediate as to length between the French Horn and S. Nantes, but much thicker, obtaining at the neck from 3 to 4 inches in diameter. Highly recommended. Per pkt., 5c.; oz., 10c.; 2 oz., 15c.; $\frac{1}{2}$ lb., 30c.; lb., \$1.25.

Chantenay Half-Long Scarlet, stump rooted, an excellent variety. Per pkt., 5c.; oz., 10c.; 2 oz., 15c.; $\frac{1}{2}$ lb., 30c.; lb., \$1.00.

Early Half-Long Scarlet Nantes, a large stump-rooted variety, superior for table use. Per pkt., 5c.; oz., 10c.; 2 oz., 15c.; $\frac{1}{2}$ lb., 30c.; lb., \$1.00.

French Intermediate, a superior half-long pointed variety, good for garden and field culture. Per pkt., 5c.; oz., 10c.; 2 oz., 15c.; $\frac{1}{2}$ lb., 30c.; lb., \$1.00.

Early English Horn, roots tapering, fine color. Per pkt., 5c.; oz., 10c.; 2 oz., 15c.; $\frac{1}{2}$ lb., 30c.; lb., \$1.00.



Guerande Half-Long.

	Pkt.	Oz.	2 Oz.	$\frac{1}{2}$ lb.	lb.
Red Carentan , without core, tender and sweet.....	5	10	15	30	1 00
Long Orange , good for general crop, field or garden....	5	10	15	25	75
Long Scarlet Altringham , a long variety, good color.....	5	10	15	30	1 00

(For Field Varieties see Agricultural Seeds.)

CAULIFLOWER. *Chou fleur, Fr. Blumen Kohl, Ger.*

(One ounce will furnish about one thousands plants.)

Considerable care is necessary to keep up a supply of Cauliflowers from July to the end of the year. For early crops sow the seed in a gentle hot-bed about the middle of March, and for late crops sow in the open ground in May and June, and transplant like winter cabbage into rows two-and-a-half feet apart, and two feet between each plant. A deep, rich loam is the best to produce satisfactory crops of this favorite vegetable. In dry weather water frequently with liquid manure, and as they advance in growth, hoe deep, and draw the earth to the stems; as they begin to head, water frequently, and keep the soil open by deep hoeings, and break the large leaves over the flower to protect it from the sun and rain. On the approach of frost the plants which have not headed may be planted out in a cellar, where they can be aired in mild weather, when they will form fine heads.



Bruce's Selected Erfurt Dwarf Early. It is now sixteen years since we first introduced this famous strain of Erfurt Cauliflower and year after year it has become more popular, until leading market gardeners in nearly every section of the Dominion now grow it entirely, having discarded all the older varieties, as they find our strain of Erfurt to be the surest heading, and altogether the most profitable sort for market purposes. On account of its dwarf and compact habit, the plants may be set out twenty to twenty-two inches each way, so that from twelve to fourteen thousand can be planted on an acre. For pickling it is the standard variety, the compact and solid texture of the snow-white heads, combined with delicious flavor, surpasses all other sorts. We obtain our supply of seed direct from the growers, with whom we have a standing contract to deliver a stated quantity for each season, and knowing the scrupulous care exercised in the selection of only the purest and finest heads for seed purposes have no hesitation in stating that for quality it is not surpassed by any other variety, no matter under what name in may be offered. Per pkt., 25c.; $\frac{1}{2}$ oz., \$1.75; $\frac{1}{4}$ oz., \$3.00; 2 oz., \$5.50; $\frac{1}{2}$ lb., \$10.00.



Early Snowball Cauliflower.

Early Snowball, a well-known extra early variety, heads pure white, large, solid and of extra quality; a sure header. Per pkt., 25c.; $\frac{1}{2}$ oz., \$2.00; oz., \$3.50; 2 oz., \$6.50; $\frac{1}{2}$ lb., \$12.00.

Extra Early Paris, heads medium size, per pkt., 10c.; $\frac{1}{4}$ oz., 60c.; oz., \$1.00; 2 oz., \$1.75; $\frac{1}{2}$ lb., \$3.00.

Half Early Paris, or Demi Dur. A fine variety. Per pkt., 10c.; $\frac{1}{2}$ oz., 60c.; oz., \$1.00; 2 oz., \$1.75; $\frac{1}{2}$ lb., \$3.00.

Le Normand's. The leaves are toothed and waved on the margin, and expose a large white head from nine to twelve inches in diameter. Per pkt., 10c.; $\frac{1}{2}$ oz., 60c.; oz., \$1.00; 2 oz., \$1.75; $\frac{1}{2}$ lb., \$3.00.

CAULIFLOWER—*Continued.*

	Pkt	$\frac{1}{2}$ Oz.	Oz.	2 Oz.	$\frac{1}{4}$ lb.
Le Normand's Short Stemmed , a variety producing large white compact heads from nine to twelve inches in diameter.....	10	60	\$1 00	\$1 75	\$3 00
Autumn Giant , a valuable variety and perfectly distinct from any other sort. The heads are pearly white, large, firm and compact	10	35	60	1 00	2 00
The Autumn King . In appearance it has some of the characteristics of the Autumn Giant, but it is dwarfer, earlier, and the heads are of an immense size, solid and as white as snow.....	10	40	80	1 50	2 00
Large Walcherenc . A very late variety, sure header.....	10	30	50	85	1 50

CELERY. *Celeri*, Fr. *Selleri*, Ger.

One ounce will furnish about twenty-five hundred plants.

For early crops sow the seeds in hot-beds during March, and when three inches high, transplant into a well-prepared bed, and protect with boards or mats in frosty weather. For late crops, sow in April. When up to the above size, transplant into a bed three inches apart, and when about six inches high, plant six inches apart into trenches for blanching; dig the trenches four feet apart and fifteen inches wide, and ten inches deep; fill in four or five inches of well rotted manure, and mix it thoroughly, half a spade deep, with the earth at the bottom. The tops and roots of the plants should be shortened, and the suckers pinched off before they are planted; give a good watering after planting; to blanch, earth up two or three times during their growth, holding the leaves close with the hand while the earth is drawn up, taking care that none of it falls into the centre of the plant. Celery, like Asparagus, is wonderfully improved by superior culture.



Paris Golden Yellow Large Solid. (Bruce's selected). This fine variety introduced by us in 1882, has now become the standard variety for general use. The stalks grow vigorously, with large ribs very thickly and closely set. It is self-blanching to a very remarkable degree. The heart is of a beautiful golden-yellow color, very large, crisp and solid. Unlike other self-blanching varieties, it is an extra good keeper—keeping well all winter—and of the finest sweet flavor. On the market stall or table it is unequalled in handsome and striking appearance. Per pkt., 10c.; oz., 60c.; 2 oz., \$1.00; $\frac{1}{4}$ lb., \$1.75; lb., \$6.00.

Giant White Pascal. This is the largest Celery grown as regards width and thickness of stalks. When fully grown the outer stalks average two inches wide, and are unusually thick, they can be sliced lengthways, and are always *crisp* and *brittle*, snapping like glass, and having a rich nutty flavor. Unlike most other Celeries, it never becomes watery, and can be eaten when quite small. It is a very vigorous grower: free from rust; a grand keeper; and one of the best winter varieties catalogued. Per pkt., 5c.; oz., 30c.; 2 oz., 55c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Henderson's White Plume. The stalk and portions of the inner leaves and heart are *naturally white*. Its eating qualities are equal to the very best of the older sorts, being crisp, solid and of a pleasing flavor, while its white feather-like foliage places it ahead of all others as a table ornament. Per pkt., 5c.; oz., 30c.; 2 oz., 55c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Dwarf Large Ribbed, a superior short, white, solid variety. Per pkt., 5c.; oz., 30c.; 2 oz., 55c.; $\frac{1}{4}$ lb., \$1 00; lb., \$3.00

Perfection Heartwell, one of the best for winter use; quality extra. Per pkt., 5c.; oz., 30c.; 2 oz., 55c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

CELERY—Continued.

Turner's Incomparable Dwarf White, an old standard variety. Per pkt., 5c.; per oz., 20c.; 2 oz., 35c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00

The Prince of Wales or Sandringham, an unusually dwarf, solid variety, very crisp, and of rich, nutty flavor; pure white. Per pkt., 5c.; oz., 20c.; 2 oz., 35c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Golden Hearted Dwarf. The heart is large and full, of a waxy, golden yellow. Per pkt., 5c.; oz., 30c.; 2 oz., 55c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Boston Market, a favorite white variety. Per pkt., 5c.; oz., 20c.; 2 oz., 35c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Hamilton Red, a grand new variety, large, solid, of excellent flavor, and a fine keeper; the best of its color. Per pkt., 10c.; oz., 60c.; 2 oz., \$1.00; $\frac{1}{4}$ lb., \$1.75; lb., \$6.00.

Carter's Incomparable Dwarf Crimson is an exceedingly solid variety. Per pkt., 5c.; oz., 30c.; 2 oz., 55c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Turnip-rooted, or Celeriac, has edible roots, which are used for soups, etc. Per pkt., 5c.; oz., 20c., 2 oz., 35c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Celery Seeds, for flavoring soups, etc. Per oz., 10c.; lb., 50c.

CELERY PLANTS, all the leading varieties, 75c. per 100. Special prices for large quantities.

CHICORY. *Chicoree*, Fr. *Chicorie*, Ger.

It may be sown and treated in the same manner as carrots. Used to mix with, or a substitute for coffee.

	Pkt.	Oz.	2 Oz.	$\frac{1}{4}$ lb.	lb.
Large-rooted, or Coffee.....	5	10	15	25	60

CORN SALAD. *Mache*, Fr. *Ackersalat*, Ger.

Sow the seed early in September, thickly, in shallow drills six inches apart, and protect through the winter with a slight covering of clean straw. It requires rich soil. Per pkt., 5c.; per oz., 20c.; 2 oz., 30c.; $\frac{1}{4}$ lb., 60c.; per lb., \$2.

CORN—SWEET or SUGAR. *Mais*, Fr. *Maiz*, Ger.

(One pint will plant one hundred hills. One peck for an acre.)

Plant in hills three feet apart each way, and three or four grains in a hill, Hoe often and draw the soil to the stems; plant about the middle of May, and for a succession every two weeks in July.

For Field Varieties
See List of Farm Seeds.



SEEDS BY MAIL.

We send free all seeds priced by the packet, ounce, two ounces or quarter pound. When priced by the pound add at the rate of four cents per pound, and those by the quart add eight cents to prepay postage.

	Ear	Pt.	Qt.	Peck.
The Cory Sugar. This has now become the standard first crop variety with gardeners and market growers, having fully established its character as the earliest of all the Sweet Corns. The ears are larger than the Minnesota and of fine quality.....	5	15	25	1 25
Early Minnesota Sugar , a well-known early variety of finest quality.....	5	15	25	1 25
Perry's Hybrid Sugar , a very early variety, fully as early as Minnesota, and ears much larger, each containing from 12 to 14 rows of kernels.....	5	15	25	1 25
Early Dawn , an early large-eared, white cobbed, sweet variety.....	5	20	40	2 00
Crosby's Early Sugar , rich sugary flavor, very productive.....	5	15	25	1 25
Moore's Early Concord Sugar , producing large ears of fine flavor.....	5	15	25	1 25
Honey Sweet. The husks and stalks are a deep red during growth; the corn is cream white.....	5	20	40	2 00
Amber Cream , a medium early, strong grower; ears of large size.....	5	15	25	1 25
Adam's Extra Early , not a sugar corn; good for market.....	5	15	25	1 25

CORN—Continued.

	Ear	Pt.	Qt.	Peck.
Hickox Sugar , a second early; ears nearly as large as Mammoth; more productive and is largely grown for canning by the leading factories in Canada and the United States.....	5	15	25	\$1 25
Silver Coin . New. For description see Vegetable Novelties, page 3.....	—	25	40	2 25
Gold Coin . An evergreen sweet variety, wonderfully productive, invariably bearing two and sometimes three mammoth ears to the stalk. The cob is snowy white, compactly covered with large and very long grains. It has no rival in sweetness and delicacy of flavor.	5	15	25	1 25
Stowell's Evergreen Sugar , a standard variety, remaining green longer than any other kind.....	5	15	25	1 25
Mammoth Sugar , a late variety and one of the largest, productive and fine flavored.....	5	15	25	1 25
Tuscarora . This is a late variety, with large flour-white kernels, a little indented.....	5	15	25	1 25
Parching or Pop , several varieties.....	10c.	per lb.		

CRESS or PEPPER GRASS. *Creeson, Fr. Kresse, Ger.*

The curled and broad-leaved varieties sow thickly in shallow drills every two weeks throughout the season; give occasional waterings in dry weather. The Water Cress is an aquatic plant, with small oval leaves and prostrate habit. Sow the seed in a well prepared bed, and when rooted transplant to the bank of a running stream.

	Pkt.	Oz.	2 Oz.	½ lb.	1 lb.
Extra Curled , the best of salads.....	5	10	15	20	50
Broad Leaved , a large-leaved variety.....	5	10	15	20	50
True Water , an early and very wholesome salad.....	10	50	75	1 25	4 00

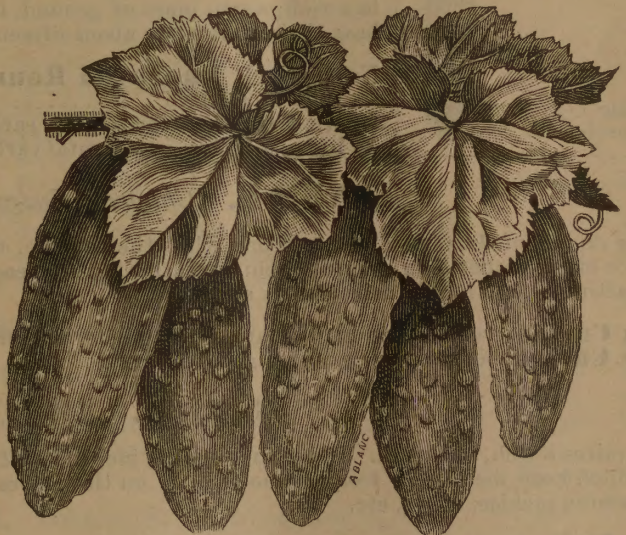
CUCUMBER. *Concomber Fr. Gurke, Ger.*

One ounce will plant fifty hills. Two to three pounds for one acre.

OPEN AIR CULTURE.—For general crops, plant from the middle of May to the middle of June, in hills five feet apart each way, elevating the hills a little above the level of the ground. Put eight or ten seeds into each hill and cover them half an inch deep with fine soil, and press the earth a little over the seeds with the back of the hoe; keep the ground loose and clear of weeds, and in dry weather water occasionally; after they have obtained a vigorous growth, and the danger from insects is over, they should be thinned out, leaving four thrifty plants in a hill.



Boston Pickling Cucumber.



Improved Chicago Pickling Cucumber.

	Pkt.	Oz.	2 Oz.	¼ lb.	1 lb.
Early Russian , fruit from three to four inches long, and an inch and a half in diameter.....	5	10	20	30	\$1 00
Early Frame , one of the oldest of the garden sorts, justly styled a standard variety.....	5	10	15	25	90
Early Cluster , a very popular early cucumber, producing its fruit in clusters.....	5	10	20	30	1 00
Early White Spine , one of the best table sorts and highly prized by marketmen on account of its color, which never changes to yellow.....	5	10	20	30	1 00
Long Green Prickly , skin dark green, changing to yellow as the fruit approaches maturity; flesh white, somewhat seedy, but crisp, tender and fine flavored.....	5	10	20	30	1 00
Improved Chicago Pickling , a very prolific variety, combining all the qualities desired by those who raise cucumbers for commercial pickles.....	5	10	20	30	1 00
Green Prolific Pickling , a splendid variety, selected with great care by one of the largest growers of pickling cucumbers; 200,000 can be grown on one acre.....	5	10	20	30	1 00
Boston Pickling , a popular variety for pickling.....	5	10	20	30	1 00
Nichols' Medium Green , equally good for the table or for pickles.....	5	10	20	30	1 00
White Pearl . About the size and general shape of Improved white Spine, the fruit when ripe being pure white, flesh solid and of excellent quality.....	5	15	25	40	1 25
New Everbearing . Very early, small sized and enormously productive, and valuable as a green pickler. The vines continue to flower and produce fruit until killed by frost, whether the ripe cucumbers are picked off or not, differing in this respect from all other sorts.....	5	15	25	40	1 25
Stockwood Ridge , a black spined variety, twelve to eighteen inches long.....	10	50	—	—	—
West India Gherkins , used only for pickles.....	5	30	55	1 00	3 00
English Gherkins , fine for table or pickles.....	5	30	55	1 00	3 00

CUCUMBER—*Continued.***FRAME OR GREENHOUSE VARIETIES.**

UNDER GLASS CULTURE.—Sow in small pots from middle of January, either in frames or in hot houses; when grown to three leaves, plant out in previously prepared hills of loose, rich soil, in the centre of the sash. Special care should be taken to keep on a uniform heat, both bottom and atmospheric. In forcing, the night temperature should not be allowed to sink below 60°, and the day heat should range from 70° to 80°. Admit air in all mild weather, night and day. Attend to the stopping, training and setting of the flowers, thinning the shoots, watering with liquid manure, tepid water, etc.

	Per pkt.
Blue Gown , a fine black-spined variety, from eighteen to twenty-four inches long.....	20
Duke of Edinburgh , a superior white spined variety, averaging over thirty inches in length.....	20
Marquis of Lorne , a fine, white-spined variety, of immense size and symmetrical form.....	20
Carter's Model , perfect in outline, with scarcely any neck and of fine flavor.....	20
Lockie's Perfection . The fruit is of a beautiful green, of medium length, straight and short necked, carrying a splendid bloom and of unsurpassed flavor; a wonderful cropper.....	25
Chaplin's Wonder (White Spine). The best frame cucumber. The fruit is very dark green, from 18 to 25 inches in length, growing perfectly straight; the neck is short and the flavor exquisite.....	25

CURLED CHERVIL. *Cerfeuil*, Fr. *Koerbeile*, Ger.

	Pkt.	Oz.
Cultivated and used like parsley sow at any time in the spring, in shallow drills one foot apart.....	5	20

EGG PLANT. *Aubirgine*, Fr. *Eierflanze*, Ger.

Sow the seed thickly in a hot-bed in March, and plant them out at the end of May, in a rich, warm piece of ground, in rows two feet apart and one foot in the rows. They bear their fruit when about fifteen inches high.

	Pkt.	Oz.
New York Improved Round Purple , the leading variety, very large and productive.....	10	60
Long Purple , very hardy; early and productive.....	5	50
White , a highly ornamental variety.....	10	75

ENDIVE. *Chicoree*, *Endive*, Fr. *Endiven*, Ger.

Sow middle of July, in drills or beds; when they are up, thin out to stand twelve inches apart; when the leaves are six or eight inches long, blanch them by gathering the leaves in the hand and tying them together near the top with matting. It is highly esteemed as a salad.

	Pkt.	Oz.
Green Curled , very heavy, leaves dark green, tender and crisp.....	5	30
White Curled , leaves pale green; a good variety.....	5	30

GARLIC. *Ali*, Fr. *Lauch*, Ger.

Requires a rich, light soil. Plant in rows six inches apart, and about two inches deep; leave a foot between the rows, which keep mellow by frequent hoeing; when the leaves turn yellow take up the crop. It is used extensively for seasoning pickles, stews, etc.

	Per lb.
Large Italian , sets.....	40

KOHL-RABI.**TURNIP ROOTED CABBAGE.**

	Pkt.	Oz.	2 Oz.	1 lb.
Errly Purple Vienna	5	20	35	60
Early White Vienna	5	20	35	60

LEEK. *Pioreau*, Fr. *Porre*, Ger.

Sow early in spring, in drill or beds; when the plants are eight or ten inches high, transp'ant them in rows six inches apart, and twelve inches between the rows. Plant in rows at least six inches deep, to have them well blanched. By many they are preferred to onions for soup, etc.

	Pkt.	Oz.	2 Oz.	1 lb.	lb.
Large Scotch, or Musselburgh , grows to an immense size; hardy and fine flavored..	5	25	50	90	\$3 00
Large Rouen , leaves dark green, stem short and thick; a fine variety.....	5	25	50	90	3 00
Extra Large Carentan , very hardy, extraordinary size.....	5	25	50	90	3 00

LETTUCE. *Laitue*, Fr. *Lattiche*, Ger.

One ounce will sow a row of a hundred feet.

For early use, sow in hot-beds in February; and for general use, as early in the spring as the ground can be worked, in a well-prepared bed or drills; thin or transplant to one foot apart for heading. A sowing should be made at intervals throughout the season for succession.

LETTUCE—Continued.

Bruce's Nonpareil Cabbage.

This well known variety has proved itself during the past thirty-four years to be one of the best Lettuces for out-door cultivation, and for forcing in the green house it has no equal; in color it is a beautiful yellowish green; the heads being large, solid and of the finest quality. Per pkt., 5c.; oz., 20c.; 2 oz., 35c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Hamilton Market, a variety of local origin; heads large, very solid, tender and well flavored. Color, yellowish green, and suitable for forcing and open air cultivation. Per pkt., 5c.; oz., 20c.; 2 oz., 35c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Early Curled Silesia, very early and good for forcing. Per pkt., 5c.; oz., 15c.; 2 oz., 30c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Early Curled Simpson, (white seed) large and of light color. Per pkt., 5c.; oz., 15c.; 2 oz., 30c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Early Curled Simpson, (Black Seed); a good forcing variety. Per pkt., 5c.; oz., 20c.; 2 oz., 35c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.



Bruce's Nonpareil Cabbage Lettuce.



The Gardener's Favorite Lettuce.

Drumhead or Malta. This is a very good summer variety, with large compact heads..
Brown Dutch, very hardy, one of the best for winter use.....
Victoria Cabbage, crisp and tender, the leaves being beautifully edged with pink.....
Blonde Beauty. Its beautifully curled white leaves, with their slight golden tinge, give it a pleasing appearance; heads large and solid.....

The Gardener's Favorite. A standard variety for early forcing or out-door cultivation; it has no equal for flavor or crispness. Color, yellowish green, heads large and solid.....

Grand Rapids. This variety is best adapted for forcing. Leaves medium size, of light yellowish green color, much crimped and frilled, forms a fair-sized but loose head; crisp and of good quality. Owing to its upright habit, it may be planted very closely. A good shipper.....

Extra Early Ohio, oval shaped heads; solid, sweet and crisp; a good variety for forcing.....

Boston Market or Tennis Ball, one of the earliest, heads small, solid, crisp and fine flavored.....

Paris Green Cos, this variety grows upright, with long, dark leaves.....

Kingsholm Cos. The finest form of lettuce of the Paris Cos type.....

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Pkt. Oz. 2 Oz. $\frac{1}{4}$ lb. lb.

5 20 35 60 \$2 00

5 20 35 60 2 00

5 20 35 60 2 00

5 15 30 50 1 50

5 25 40 75 2 50

5 25 40 75 2 50

5 15 30 50 1 50

5 20 35 60 2 00

5 15 30 50 1 50

5 20 35 60 2 00

MUSK MELON. *Melone, Fr. Melon, Ger.*

One ounce will plant about sixty hills; 3 lbs. to an acre.

CULTURE.—Plant middle of May, in hills six feet apart each way, eight to ten seeds in each, and thin out to three or four plants when in a state of forwardness. To grow good melons, the hill should be prepared by digging out the soil from one and a half to two feet deep, and two or three feet broad, according to the richness of the land. Add a very liberal quantity of best decomposed manure, and mix well with the soil, filling a little above the level. Seeds should not be put into the hills until the weather becomes settled and warm.

The Princess. Fruit nearly round, with heavily netted dark green skin; the flesh is of a rich salmon color, and the flavor is sweet beyond description.....

5 15 25 40 1 50

The Banquet. A medium sized variety, flat at both ends, beautifully netted, of the finest quality, the flesh is uniformly deep, and of that granulated character that indicates a good melon; the color is a deep, rich salmon.....

10 20 35 60 2 00

Osage or Miller's Cream. A melon of great merit; the flesh is a rich salmon color, very thick, sweet, rich and delicious. It has a very thin rind and finely netted; it is a vigorous grower, very productive, and covers the ground with beautiful solid fruit....

5 15 25 40 1 50

Montreal Improved Green Nutmeg. This variety grows to a very large size, beautifully netted and deeply ribbed, flesh light green, melting and of exquisite flavor. We have grown specimens weighing twenty-two lbs. each. Market gardeners and other large growers will find this a most profitable variety to grow.....

5 15 25 40 1 50

Burpee's Improved Bay View Green Flesh Cantaloup. A well known variety of vigorous growth, great productiveness, large size and delicious flavor.....

5 15 20 30 1 00

Early Orange Christiana, yellow flesh. It is ten days earlier than the Nutmeg.....

5 15 20 30 1 00

Early Large Round Cantaloup, flesh thick, yellow, sweet and juicy.....

5 15 20 30 1 00

Shumway Giant (new). Round shaped, light green color, skin smooth with little netting, flesh, deep salmon color, thick and fine grained, average weight, eighteen pounds.....

5 20 35 60 2 00

MUSK MELON—Continued.



MUSK MELON—Jersey Belle. This fine new melon is destined to become a standard variety with all large growers. It is the first to ripen, and what is more remarkable, it has proven the LARGEST OF ALL THE FIRST EARLY SORTS grown alongside of them and under the same conditions. Unlike other extra early sorts, it does best on light soils. As shown in above cut, it is flattened on the ends, deeply ribbed and heavily netted, indicating by its outward appearance the exquisite quality of the beautiful green flesh within. The Jersey Belle, when better known, will rapidly popularize itself as the best of all extra early cantaloupes for either home use, market or shipping. Prices—Pkt., 10c.; oz., 40c.; 2 oz., 75c.; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.00.



Extra Early Citron Melon.



Early Hackensack Melon.

Pkt. Oz. 2 Oz. $\frac{1}{4}$ lb. 1 lb.

Extra Early Citron (first in the market). The largest of the very early Cantaloupes, form half flat, fairly webbed, flesh green. The merit of this sort consists in its extra early habit, a variety which for its early maturity will be found profitable by all market gardeners.....

5 15 25 40 \$1 50

Early Hackensack. In shape and color it resembles the old Hackensack, the only difference being its greater earliness. The melons weigh from four to ten pounds each, and are of a delicious flavour.....

5 15 25 40 1 50

The Delmonico. This is a new variety of great excellence. It is an oval melon of large size, and deeply netted. The flesh is an orange pink color, and of delicious flavor....

5 20 35 60 2 00

Nutmeg, fruit oval; flesh light green, rich sweet and melting.....

5 15 20 30 1 00

WATER MELONS. *Melon d'eau, Fr. Wassermelone, Ger.*

One ounce for thirty hills; four to five lbs. for an acre.

The Water Melon is purely a tropical fruit, greatly appreciated for its refreshing coolness and delicious flavor. Cultivate same as Musk varieties, only that hills should be eight feet apart each way.

Dixie. A cross between Kolb's Gem and Mountain Sweet, surpassing the former in shipping qualities and fully equalling the latter in fine eating quality and flavor, being a week to ten days earlier than either, with a remarkably thin rind almost impenetrable, which preserves it for a Pkt. Oz. 2 Oz. ½ lb. 1 lb.
great length of time.... 5 15 25 40 \$1 50

Green and Gold, a large variety, very productive and of delicious flavor... 5 25 40 75 2 50

Peerless. a very early variety of medium size; thin rind, light mottled green; flesh bright scarlet 5 15 25 40 1 50

Phinney's Early, an early, hardy and productive red fleshed variety.. 5 15 25 40 1 50



Dixie Water Melon.



Black Spanish Water Melon.

Black Spanish, a standard variety. Fruit medium size almost round, skin dark green, flesh deep red, sweet and delicious..... 5 15 20 30 \$1 00

Burpee's Iron Clad. It resembles the Gipsy in shape, the flesh a dainty red color, and of most delicious rich sugary flavor..... 5 15 25 40 1 50

Kolb's Gem or American Champion attains a weight of from 25 to 50 lbs. Its flavor is first-class, and its keeping qualities are so good that it has been had in a perfect, fresh and sweet condition for two months after shipment..... 5 15 25 40 1 50

Cuban Queen, flesh bright red, remarkably solid, luscious, crisp and sugary, and in delicious flavor is unsurpassed; it is an excellent keeper and bears transit well..... 5 15 20 30 1 00

The Boss, oblong in shape, skin dark green, flesh deep scarlet and of rich flavor; early, heavy, productive and a good shipper..... 5 15 20 30 1 00

Citron. Fruit round, flesh white and solid; used for making preserves only. Red seed... 5 15 25 40 1 50

Citron Colorado Preserving, of large size, very productive and of excellent quality. Green seed..... 5 15 25 40 1 50

MUSHROOM SPAWN.

Mushrooms can be grown in any cool shady situation out of doors in the summer-time, and during the winter months in any outhouse, shed or cellar where the temperature does not fall below 45°, and is tolerably uniform. Where such conditions are at hand, proceed as follows:—Collect the fresh horse-droppings from the stable every day, shake out the greater bulk of the straw, and spread the remainder, not too thinly, over a floor in any shed where the rain is kept out. The best site for the bed is a dry, hard floor in any of the structures that we have before suggested, and the best moderate size for a bed is one which will measure about six feet by four, and not less than twelve inches in depth. Then commence to make the bed by putting in the droppings regularly and lightly in layers until the mass is about two feet deep. Beat or tread the materials until they are compressed firmly to the depth of about twelve inches, when a test-peg should be inserted to ascertain the temperature, and it may be left for a few days to heat. Take the peg out every morning and try the temperature with the hand, and as soon as the heat is found to be on the wane, and the test-peg can be handled comfortably, insert pieces of spawn about the size of a walnut at intervals of three or four inches apart and just below the surface of the dung. If there is no likelihood of the temperature of the bed rising, it may be soiled at once, otherwise it would be better to defer this for a day or two. The soiling consists simply in covering the bed to the depth of about three inches with good loam, which must be beaten firmly with the back of a spade. The test-peg must be inserted again, and then the only attention that will be required is to see that the temperature does not fall too low; and if there should be any signs of this, the evil may be corrected by covering the bed with hay to the depth of three or four inches. In about six weeks' time the Mushrooms should begin to show, and if the bed is getting dry give a watering with warm water, which will probably be required afterwards about once a fortnight, as success depends on maintaining a uniform temperature. **Fresh English Spawn,** in bricks, 25 cents each.



Mushrooms.

MUSTARD. *Montard*, Fr. *Senf*, Ger.

For early salad sow in hot-beds in February and March; and for general crops, at intervals throughout the season, in shallow drills six inches apart.

White, for salad.....Per pkt., 5c.; per oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 30c.

NASTURTIUM or Indian Cress. *Capucine*, Fr. *Kapusinerblum*, Ger.

Sow early in spring, in good rich ground; train them to rods or pea stakes. The seeds picked while green and pickled, form an excellent substitute for caper.

Dark Tall Red, excellent climbers for covering rock-work, etc.....Per pkt. 5 Per oz. 20
Tall Yellow, fine contrast to the preceding.....Per pkt. 5 Per oz. 20

For other varieties see Flower Seeds.

OKRA. *Gombo*, Fr. *Tapan*, Ger.

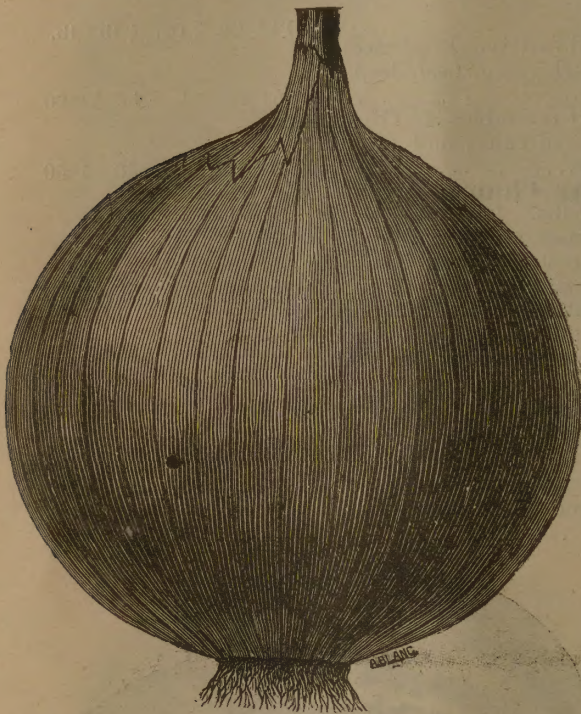
Plant late in the spring (after the ground has become warm,) in drills two and a half feet apart, and thin out to nine inches in the row; hoe often and draw the earth up to the stems. Use the pods when green and tender.

Dwarf Green, round smooth pods.....Per pkt., 5c.; per oz., 20c.

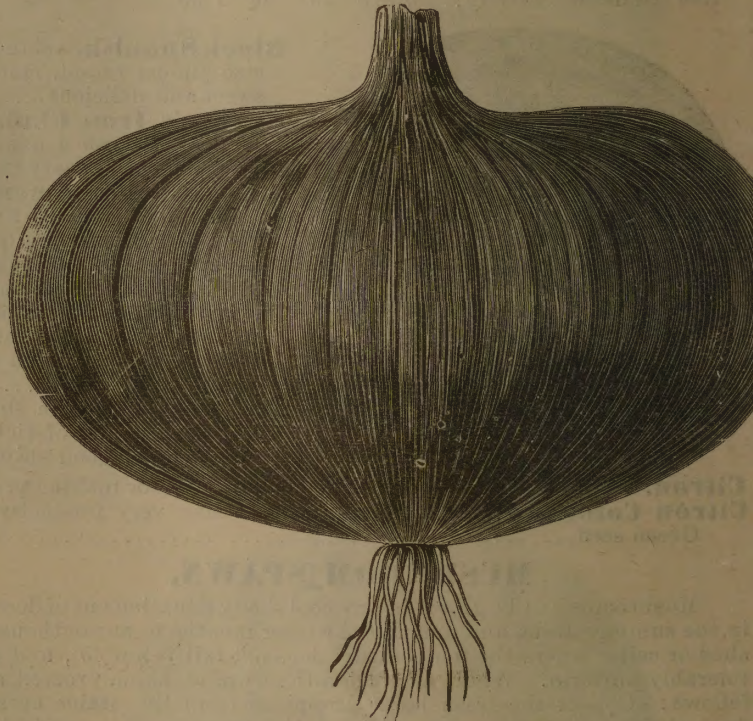
ONION. *Ognon*, Fr. *Zwiebel*, Gr.

One ounce will sow a row one hundred feet; five pounds to an acre.

Onion seed is sown from the first of April to the middle of May—the earlier the better, provided the ground is dry enough to work light and fine. Rich soil, with a good application of manure every year, and proper attention, will almost invariably insure a good crop. Onions, unlike most other crops, may be raised on the same ground for an indefinite length of time. Onion sets and tops are placed on the surface in shallow twelve-inch drills, about four inches apart but not covered.



Bruce's Selected Danvers Yellow Globe Onion.



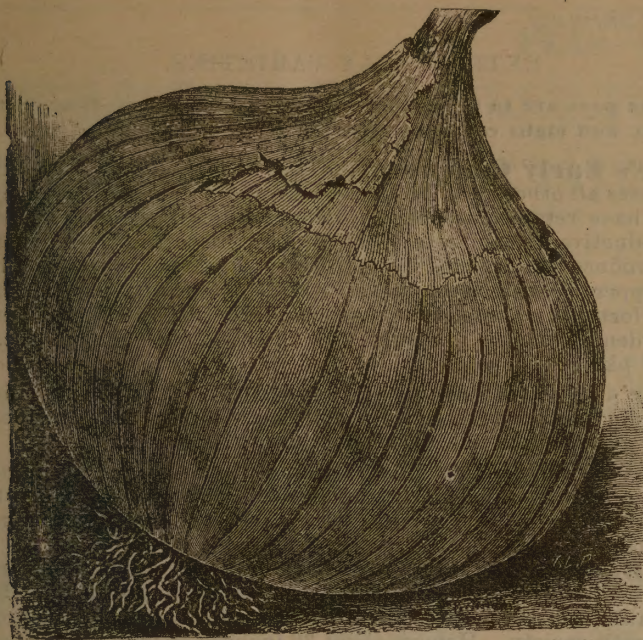
Large Red Wethersfield Onion.

Danvers Yellow Globe, Bruce's Selected, a fine variety, above the medium size, globular in form, skin yellowish-brown, flesh white mild and well flavored; very productive. The most profitable variety for market gardeners to grow.....Pkt. oz. 2 oz. $\frac{1}{4}$ lb. 1 lb.
Danvers Yellow Flat, in quality equal to the proceeding, but flat in shape.....5 20 35 60 \$2 00
Large Red Wethersfield, large, skin-deep purplish-red, flesh purplish-white, fine grained and stronger flavored than that of the yellow and early red varieties. Productive and one of the best to keep.....5 20 35 60 2 00



Extra Early Flat Red.

Southport Early Red Globe, globe shaped, skin deep red, flesh white; mild and tender, very handsome in appearance and ripens early.....5 25 40 75 3 00
Extra Early Flat Red, resembles the Wethersfield in color but is much earlier; valuable for heavy late soils.....5 20 35 60 2 00
Southport White Globe, a large globe shaped variety, very solid, of mild flavor, and good keeper; clear white skin; and always command the highest market price. 5 35 60 1 10 4 25
White Portugal, large flat onion, mild flavor; fine for early winter use.....5 35 60 1 10 4 25
Yellow Dutch, very flat and productive.. 5 20 35 60 2 00
Welsh, Red or White, used for salads. Sow the seeds of this variety in August.... 5 20 35 60 2 00



Giant Prizetaker Onion.

Mammoth Silver King. A white-skinned and white-fleshed variety. It matures early. In shape somewhat flat and of an exceedingly mild and delicate flavor. Per pkt., 5c.; oz., 25c.; 2 oz., 40c.; $\frac{1}{4}$ lb., 75c.; 1 lb., \$3.00.

Giant Rocca. Large globular shape, light brown skin. Per pkt., 5c.; oz., 20c.; 2 oz., 35c.; $\frac{1}{4}$ lb., 60c.; 1 lb., \$2.00.

Giant White Tripoli, large and handsome. Per pkt., 5c.; oz., 25c.; 2 oz., 40c.; $\frac{1}{4}$ lb., 75c.; 1 lb., \$3.00.

ONION SETS.

When wanted in large quantities write for special quotations.

	Per qt.
English Potato	20c., by mail, 30c.
Top or Button	30c., " 35c.
Shallots,	15c., " 25c.

ONIONS—Continued.

White Barletta Onion. An extra early white-skinned variety, flesh pure white and very mild in flavor, excellent for pickling purposes. Per pkt., 5c.; oz., 25c.; 2 oz., 40c.; $\frac{1}{4}$ lb., 75c.; 1 lb., \$3.00.

Queen. This is another extra early variety, small, flat and mild-flavored. Per pkt., 5c.; oz., 25c.; 2 oz., 40c.; $\frac{1}{4}$ lb., 75c.; 1 lb., \$3.00.

Small Silver Skin Pickling. A standard variety, largely grown for pickles. Per pkt., 5c.; oz., 25c.; 2 oz., 40c.; $\frac{1}{4}$ lb., 75c.; 1 lb., \$3.00.

NEAPOLITAN ONION SEEDS.

The following varieties can be grown to an enormous size by sowing in the fall, say from the 1st of August to the 10th of September, and planting out the following Spring, or they may be sown in a hotbed early in the season and transplanted out as soon as the ground is in condition.

Giant Prizetaker, of a rich straw color. This variety grows to an enormous size, averaging from 12 to 14 inches in circumference. Globe-shaped solid, and an excellent keeper, in flavor it is mild and sweet. Per pkt., 10c.; oz., 40c.; 2 oz., 75c.; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.50.

It matures early. In shape somewhat flat

and an excellent keeper, in flavor it is mild and sweet.

Per pkt., 10c.; oz., 40c.; 2 oz., 75c.; $\frac{1}{4}$ lb., \$1.25; 1 lb., \$4.50.

PARSLEY. *Persil*, Fr. *Petersille*, Ger.

Sow early in the Spring, in drills twelve feet apart; thin out the plants six inches apart. To have green during the winter, remove plants into a box, and place in a light cellar or cold frame.

	Pkt.	Oz.	2 Oz.	$\frac{1}{4}$ lb.	1 lb.
Extra Curled. Leaves beautifully curled.....	5	10	15	25	\$1 00
Champion Moss Curled. This is the perfection of a parsley.....	5	15	25	40	1 25
Carter's Fern Leaved. Invaluable for garnishing.....	5	15	25	40	1 50

PARSNIP.

Panais, Fr. *Pastinake*, Ger.

Sow as early as the ground will permit, in very rich, loamy soil, in rows fifteen inches apart, and thin to seven inches in the row. The roots are very hardy, and are greatly improved by remaining in the ground through the winter.

Bruce's Improved Hollow Crown. Will be found a decided improvement on the old variety; root finely shaped, and flavor excellent.....

The Student. A well-known variety of fine flavor.....

PEAS. *Pois*, Fr. *Erbsen*, Ger.

One quart for a row of 75 feet.

The soil best adapted for the pea is a rich loam, well manured the previous year (use thoroughly decomposed manure if any, immediately before planting). For early crops, sow as early in the spring as the ground can be worked, in drills three feet apart, and for a succession every two weeks until the 1st of July. When they are about two inches high, begin to draw the earth to the stems. Hoe often in dry weather. Peas should be soaked in water before planting, and if the ground be very dry, should be watered in the hills.



Bruce's Extra Early.

PEAS—Continued.

EXTRA EARLY VARIETIES.

When peas are to be sent by mail, add the postage—four cents per pint, and eight cents per quart.



Horsford's Market Garden Pea.

Horsford's Market Garden. A wrinkled variety, prolific bearer; pods medium size, numerous and well-filled with peas of delicious flavor. Height, 2 ft. Per pt., 15c.; per qt., 30c.; per pk., \$1.25; per bush., \$4.80.

McLean's Blue Peter. A splendid bearer, with large and well-filled pods. Height, 1 ft. Per pt., 20c.; per qt., 40c.; per pk., \$2.00; per bushel, \$7.20.

McLean's Advancer. A dwarf green wrinkled variety of fine flavor. Per pt., 20c.; per qt., 40c.; per pk., \$2.00; per bushel, \$7.20.

Bruce's Early Conqueror. This well-known variety surpasses all other peas as to earliness. By constant selection we have retained all the characteristic qualities of earliness, productiveness and size which brought it to the front when introduced and named by us thirty-one years ago. A prolific cropper bearing large pods; it ripens up with wonderful uniformity, making it the most profitable early pea for market gardeners to grow. Height, 2 ft. Per pt., 10c.; per qt., 20c.; per pk., \$1.20; per bush., \$4.20.

Carter's First Crop or Ringleader. Very early and productive, with fair-sized pods. Height, 2 ft. Per pt., 10c.; per qt., 20c.; per pk., \$1.20; per bush., \$4.20.

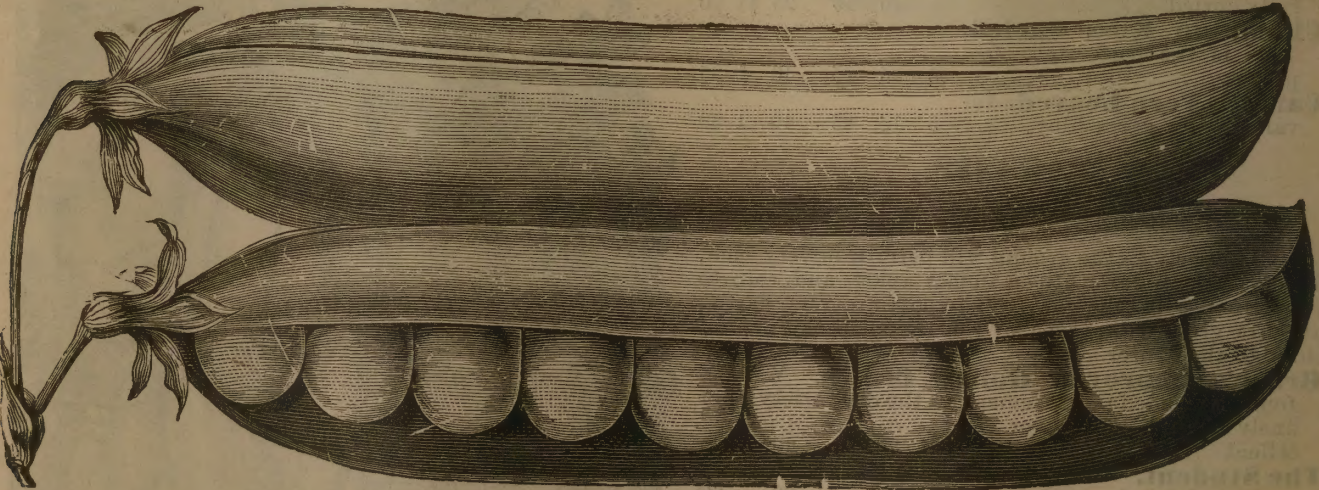
Improved Daniel O'Rourke is still a favorite with many large growers; pods large and uniformly well filled. Height, 2 ft. Per pt., 10c.; per qt., 20c.; per pk., \$1.00; per bush., \$3.60.

Blue Beauty. An early dwarf, blue variety. The pods are of medium size, well filled and borne in great profusion. In quality and flavor it cannot be surpassed by any other round, smooth variety. Height, about 20 inches. Per pt., 15c.; per qt., 30c.; per peck, \$1.25; per bushel, \$4.80.

American Wonder. This variety is justly entitled to take first position at the head of the list of EXTRA EARLY DWARF WRINKLED PEAS, and stands unrivalled in point of productiveness, flavor and quality. Height, 10 to 12 inches, with a very branching habit. Per pt., 20c.; per qt., 40c.; per pk., \$2.25; per bushel, \$9.00.

SECOND EARLY VARIETIES.

McLean's Little Gem. This Pea is now a well known standard variety. It is one of the very best dwarf early sorts, and of exquisite flavor. Height, 1 ft. Per pt., 20c.; per qt., 40c.; per pk., \$2.25 per bush., \$9.00.



Stratagem Peas.

GENERAL CROP.

Stratagem. This is one of the best, if not absolutely the best, of the many English Peas lately introduced. It grows to a height of two feet, and the plant is literally covered with immense pods, many measuring nearly six inches in length, and frequently containing ten large, fine flavored Peas.

Champion of England. One of the best for a general crop, very fine flavor. Height, 4 ft.

Yorkshire Hero. Fine prolific marrow, highly recommended.

Telephone. (Wrinkled), a strong grower, about 4 feet high, branches considerably, very large pods, peas of excellent quality.

Pt.	Qt.	Pk.	Bush.
20	40	\$2 00	\$7 20
10	20	\$1 00	3 60
15	30	1 50	4 80
20	40	2 00	7 20

PEAS—*Continued.*

	Pt.	Qt.	Pk.	Bush
Pride of the Market. This fine variety grows from eighteen inches to two feet high, and from top to bottom of the haulm bears grand pods, well filled with large and fine-flavored Peas.	20	40	2 00	7 20
Dwarf Sugar, Edible Pods. A well flavored, large-podded variety.	25	50		
Large White Marrowfat. A very prolific, first-rate variety.	10	20	40	1 50
Black-Eyed Marrow. Great bearer, large pods.	10	20	40	1 40

PEPPER. *Piment, Fr. Spanisher Pfeffer, Ger.*

Sow early in the spring in a hot-bed, and transplant end of May into rows eighteen inches apart and ten inches in the row, and earth up a little at one or two hoeings.



Monstrous Pepper.

	Pkt.	Oz.
Cayenne, Pods are small, cone-shaped, coral red when ripe.	5	40
Cherry, the pods or fruit erect, nearly globular, cherry form; of a deep, rich, glossy scarlet.	5	40
Chili, pods pendant, shape conical, about two inches in length; very piquant.	5	40
Cardinal, a distinct variety, from 5 to 6 inches in length, tapering to a point; of a glossy bright red color.	5	75
Golden Dawn, a rich, yellow, golden pepper, of uniform large size; sweet and mild.	5	50
Long Red, pods brilliant red, and three or four inches in length; very productive.	5	40
Long Yellow, similar to the Long Red in shape and size, excepting in color.	5	40
Large Bell or Bull Nose, an early variety of mild flavor.	5	40
Improved Bull Nose or Sweet Mountain, similar to preceding, but larger.	5	40
Mammoth Spanish, one of the largest and earliest varieties; flesh is sweet and mild.	5	40
Monstrous or Grossum, a remarkably fine variety, growing to a large size.	5	40
Ruby King, beautiful bright red; fruit very large and mild; one of the best.	5	50
Squash, skin smooth and glossy; flesh thick, mild and pleasant to the taste.	5	40

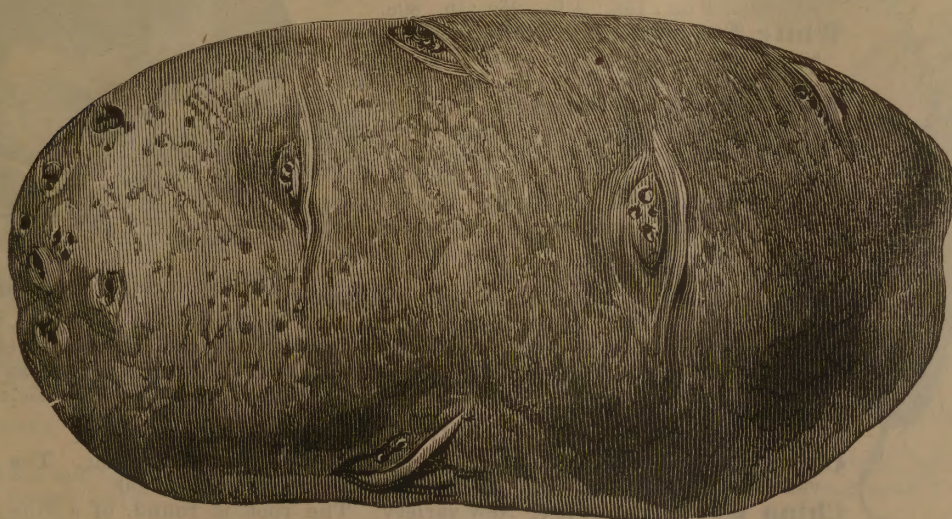
PUMPKIN. *Poitrou, Fr. Kurbis, Ger.*

Plant middle of May in manured hills, eight feet apart, and leave but two or three plants in a hill.

	Pkt.	Oz.	2 oz.	1 lb.	lb.
Cheese, Medium Size, one of the best for cooking purposes.	5	10	15	30	\$1 00
Large Yellow, better adapted for feeding purposes than for cooking.	5			10	25
Mammoth, a large, coarse growing variety.	10	20	35	60	2 00

SELECTED SEED POTATOES.

The following varieties may be relied upon as genuine and of fine quality.



Bruce's White Beauty Potato.

Bruce's White Beauty. Introduced by us three seasons ago, and acknowledged by all who have grown it to be the most handsome and best all round market variety yet introduced. In shape like the well-known Beauty of Hebron, it is earlier and more productive; the tubers are of a uniform size and of the finest quality, the skin and flesh being pure white; a good keeper. We strongly recommend it to market gardeners and other large growers.

The Freeman. New. This potato has shown unusual developments both as to early ripening qualities, enormous productiveness and strong, vigorous growth. For originator's description and prices, see Novelties, page 4.

SELECTED SEED POTATOES—Continued.

Burpee's Extra Early. Of good size, oblong in shape, skin smooth, of a creamy-white color, shaded with pink; flesh pure white; fine grained, and of the best table quality. Very productive.

Early Puritan. An early variety of handsome, oblong shape, skin and flesh pure white. Very productive.

The Thorburn. Earliest and best of all productive sorts, a seedling of Beauty of Hebron, which it resembles.

Early Ohio. A very fine extra early potato of vigorous growth and superior quality.

White Elephant. One our best; productive and of fine quality.

Empire State. A main crop variety, very productive, skin and flesh pure white.

Beauty of Hebron. Slightly flesh-colored skin, with pure white flesh. A popular early variety.

For Prices, see our Special List published in March. We usually commence shipping potatoes about the first week of April (weather permitting).

Try the Lightning Potato Eye Cutter. Price 30 cents each, post paid.



Non Plus Ultra Forcing Radish.

twenty days. A desirable variety. Per pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 25c.; lb., 80c.

Olive Shaped Early Deep Scarlet Short Leaf. The largest of the forcing varieties; a most profitable sort for market gardeners to grow. Per pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 25c.; lb., 80c.

FOR GENERAL GARDEN CROP.

Early Deep Scarlet Turnip. Color of skin, a very dark red, white flesh with very small tap root. Pkt., 5; oz., 10; 2 oz., 15; ¼ lb., 25; lb., 80c.

Scarlet Turnip White Tipped. A standard market variety. Per pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 25c.; lb., 80c.

French Breakfast. Oval form; color scarlet; white tipped. Per pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 25c.; lb., 80c.



China Rose Radish.

Scarlet Olive-Shaped. Skin fine scarlet, flesh rose color. Per pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 25c.; lb., 80c.

White Olive-Shaped. Same as above in every respect except color. Per pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 25c.; lb., 80c.

White Turnip. Skin white, flesh white, some days later than the scarlet. Per pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 25c.; lb., 70c.

Half Long Deep Scarlet. An early variety, intermediate in shape between the Long Scarlet and the Scarlet Olive-shaped. Per pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 25c.; lb., 80c.

Long Scarlet Short Top. Roots long, of a beautiful pink color. Standard sort for marketing. Per pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 25c.; lb., 60c.

Long Salmon. Longer and lighter color than the above, with larger top. Per pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 25c.; lb., 60c.

Chartier (Beckert's), a long radish, of a deep crimson color at the top, shading off lighter until at the bottom they become pure white. The roots attain a large size and remain for a long time tender and crisp. Per pkt., 5c.; oz., 10c.; 2 oz., 15c.; ¼ lb., 25c.; lb., 75c.

WINTER RADISHES.

China Rose-Colored. Size medium, flesh firm, rather piquant. The standard winter variety. Per pkt., 5c.; oz., 15c.; 2 oz., 20c.; ¼ lb., 30c.; lb., \$1.00.

China Round Scarlet. New variety. The root is round, of a fine scarlet color, of medium size, 2½ to 3 inches in diameter by as much in length. The flesh is pure white and of an agreeable and mild flavor. Fit for use in 6 to 8 weeks. Very hardy. Per pkt., 25c.

Black Spanish Round. Large round, color black, of fine texture. Per pkt., 5c.; oz., 15c.; 2 oz., 20c.; ¼ lb., 30c.; lb., \$1.00.

Black Spanish Long, similar to the preceding in every respect except shape. Per pkt., 5c.; oz., 15c.; 2 oz., 20c.; ¼ lb., 30c.; lb., \$1.00.

California Mammoth or White Russian. A giant white-fleshed fall radish. It grows from eight to twelve inches in length, and about two and a-half in diameter. Per. pkt., 5c.; oz., 15c.; 2 oz., 20c.; ¼ lb., 30c.; 1 lb., \$1.00.

RADISH. *Rades et Rave, Fr. Rettig, Ger.*

One ounce will sow a row of one hundred feet.

For early crops they should be sown in hot-beds in February or March, and in the open air as soon as the ground can be worked, and at intervals of ten or twelve days for a succession throughout the season. Sow in drills eight or ten inches apart, and thin to a distance of two inches in the drills. The winter varieties should be sown in August and lifted before severe frost. A warm, sandy loam, made rich and light by some well-rotted manure, will be most likely to produce them brittle and free from worms.

THE THREE BEST FORCING RADISHES.

Non Plus Ultra. A wonderfully rapid grower and is fit for use within three weeks; the root is round and bright scarlet; the flesh tender and delicate; it produces but few leaves. Pkt., 5c.; oz., 15c.; 2 oz., 25c.; ¼ lb., 40c.; lb., \$1.25.

In and Out (new). Similar in size and shape to the Scarlet Turnip White Tipped, but of smaller top and of much quicker growth, coming to maturity in little over

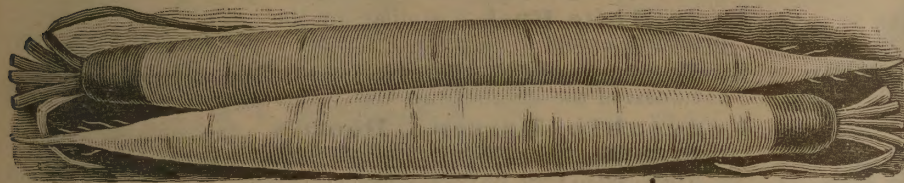


Scarlet Turnip White Tipped Radish.

RHUBARB. *Rhubarbe*, Fr. *Rhubarber*, Ger.

Sow the seed early in spring, in rows twelve inches apart, in good rich soil, and the following spring transplant into rows two feet apart each way; manure the ground to the depth of two feet. In raising Rhubarb from seed, no reliance can be placed on their producing the true varieties; the most expeditious and satisfactory mode to produce a supply is to procure roots already grown, which will produce a moderate supply the first season. The roots will last many years by manuring them every fall, and covering the crowns of the plants with light litter.

	Pkt.	Oz.	2 Oz.	$\frac{1}{2}$ lb.	lb.
Victoria , very large, fine for cooking	5	25	40	75	\$3 00
Myatt's Linnaeus , very early and tender	5	25	40	75	3 00

SALSIFY, or Vegetable Oyster. *Salsifs*, Fr. *Haferwurz*, Ger.

Mammoth Sandwich Island Salsify.

Sow early in spring, in drills twelve inches apart, one inch deep, and thin out to six inches in the row; cultivate similar to carrots and parsnips. The roots are boiled or stewed like parsnips, or half-boiled or grated fine, made in small flat balls, and dipped into a batter and fried like oysters, which they strongly resemble in

flavor. They are quite hardy, and will stand the winter in the open ground.

	Pkt.	Oz.	2 Oz.	$\frac{1}{2}$ lb.	lb.
Mammoth Sandwich Island. Roots very large and of excellent quality	5	25	40	75	\$3 00
Long White. A standard variety	5	20	35	60	2 00

SEA KALE. *Chou Mari*, Fr. *Meerkohl*, Ger.

Sow in drills one foot apart, and thin out to four inches in the row. When one year old transplant into hills eighteen inches apart, and three plants to each hill. On approach of frost cover about two feet thick with dried leaves. Per pkt., 5c.; per oz., 25c.; 2 oz., 40c.; $\frac{1}{2}$ lb., 75c.; per lb., \$3.00.

SCORZONERA. *Scorzonere*, Fr. *Scorzonerwurz*, Ger.

(Cultivate same as Salsify.)

	Pkt.	Oz.	2 Oz.	$\frac{1}{2}$ lb.	lb.
Scorzonera	5	20	35	60	\$2 00

SPINAGE. *Epinard*, Fr. *Spinat*, Ger.

One ounce will sow a row of 100 feet; 10 to 12 lbs. for an acre.



Monstrous Viroflay Spinage.



Catillion Long Standing Spinage.

Sow early in the spring, in drills one foot apart, and thin out to six inches in the row. Rich light soil is requisite to produce large, tender leaves. For winter crop sow end of August; cover lightly with clean straw; soak the seed six hours before sowing.

	Pkt.	Oz.	2 Oz.	$\frac{1}{2}$ lb.	lb.
Monstrous Viroflay , extra large, round-leaved variety, with thick, succulent leaves	5	10	15	20	\$0 40
Catillion Long Standing , a variety with large, thick, succulent leaves, which does not run to seed as quickly as other sorts. One of the best for market gardeners to grow	5	10	15	20	40
Fall or Prickly Seeded , leaves seven or eight inches long, thin in texture and erect	5	10	15	20	40
New Zealand produces leaves of the greatest succulency in the hottest weather	5	20	35	60	1 50

SQUASH. *Courg, Fr. Kurbis, Ger.*

One ounce for 50 hills.

Any good, enriched soil is adapted to the growth of Squashes. They only thrive well in a warm temperature, as all the varieties are tender annuals; and the seed should not be sown in spring until all danger from the frost is past, and the ground is warm and thoroughly settled. The hills should be made from eight to ten inches in depth, manured well, and the seeds covered about three-fourths of an inch deep. Keep the earth about the plants loose and clean, removing the surplus vines from time to time, allowing not more than three plants in a hill. The custom of cutting or nipping off the leading shoots of the running varieties is now practised to some extent, with the impression that it both facilitates the formation of fruitful laterals and the early maturing of the fruit.



Long White Vegetable Marrow.

Butman. A fine grained and distinct variety; dry, sweet and delicious flavor.....	5	10	15	30	\$1 00
Turban or Turk's Cap. An excellent late table variety; flesh, orange yellow.....	5	15	25	40	1 50
Hubbard. The best of all the winter varieties; grows to good size and keeps well.....	5	15	25	40	1 25

	Pkt.	Oz.	2 Oz.	½ lb.	1 lb.
Early Yellow Bush. Early, flat, scalloped-shaped, yellow and fine grained	5	10	15	30	\$1 00
Early White Bush. Similar to the preceding except in color.....	5	10	15	30	1 00
Early Summer Crookneck. One of the finest of the summer varieties.....	5	10	15	30	1 00
Vegetable Marrow, Moore's Cream. Skin greenish yellow; flesh white, soft, rich flavor.....	10	25	40	75	2 50
Long White Vegetable Marrow. A very long, pure white marrow of finest quality.....	5	20	35	60	2 25
Boston Marrow. A very popular variety, productive and a good keeper.....	5	10	25	40	1 50
Perfect Gem. Excellent both as a summer and winter variety: color, a creamy white, thin-skinned, flesh fine grained and sweet, a free grower and very productive.....	5	15	25	40	1 25
Essex Hybrid. A hybrid between Hubbard and Turban, similar in shape to the former, flesh firm grained, rich colored, and extra fine flavored, large, productive and fine keeper.....	5	15	25	40	1 50



Hubbard Squash.



Mammoth Squash.

	Pkt.	Oz.	2 Oz.	½ lb.	1 lb.
Marblehead. The flesh is of a rather lighter color than the Hubbard, while the combination of sweetness, dryness and delicious flavor is something remarkable.....	5	15	25	40	\$1 25
Winter Crookneck. For winter use; yields well and makes excellent pies.....	5	10	15	30	1 00
Mammoth. Grows to a large size, often weighs 200 pounds; good for stock.....	10	25	40	75	3 00
Fordhook Squash. A winter variety; oblong in shape, in color a bright yellow; the flesh is dry, sweet and of the finest quality; very productive; remarkable keeper; skin thin, delicate; meat thick; seed cavity small; a most desirable variety ..	5	20	35	60	2 25
Faxon Squash. For description of this new and distinct variety, see Novelties, page 4.....	15	40			

TOMATO. *Tomato, Fr. Liebes Apfel, Ger.*

For early crops, sow the seed in a hot-bed in March; when two inches high transplant into pots or into another bed, and attend them carefully until all danger from frost is past; then plant in a sheltered situation fully exposed to the sun, support them with brush to keep the fruit off the ground. For general crops the seed may be sown in the open ground at the end of April, and transplant into hills four feet apart. This is a vegetable worthy of the most extensive cultivation.

TOMATOES—Continued.

Atlantic Prize Tomato.

Livingston's Aristocrat. For description of this Tomato see Novelties, page 4. Price per packet, 15c.

Atlantic Prize. The very earliest of all. The vines grow strong, stiff and very rapidly; a great cropper. The fruit, which is borne in clusters, is solid and of the finest quality and unusually free from core and seeds. Another great feature besides extreme earliness, is that when first fruiting it ripens more evenly than any other Tomato. Per pkt., 5c.; oz., 30c.; 2 oz., 55c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Early Ruby. The earliest of all the large sized Tomatoes, of fine form, color and solidity. The peculiar open habit of the plant is a distinctive feature of this variety, and is the reason why it is earlier than any other sort, the sun having a better chance to reach and ripen the fruit than in more compact and upright varieties. Per pkt., 5c.; oz., 30c.; 2 oz., 55c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Canada Victor. A well-known extra early variety. Per pkt., 5c.; oz., 30c.; 2 oz., 55c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Early Conqueror. Fruit of good form and uniform in shape. Per pkt., 5c.; oz., 30c.; 2 oz., 55c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

	Pkt.	Oz.	2 Oz.	$\frac{1}{4}$ lb.	lb.
Dwarf Champion. Quite distinct in foliage and habit of growth, the leaves thick and different from any other; growth compact and upright. The crop ripens very early and evenly and resembles the Acme in appearance	5	30	55	\$1 00	\$3 00
Mayflower. Very early. Shape perfectly globular, slightly flat-headed and perfectly smooth, color glossy red, and ripens perfectly and evenly	5	30	55	1 00	3 00
Livingston's Beauty. Large, dark crimson, tough skin, fine market variety	5	30	55	1 00	3 00
Volunteer. Moderately early, productive and of fair size, bright red	10	50	80	1 50	4 00
The Stone. Large, bright scarlet, smooth and solid. Ripens up to the stem without a crack. An excellent main crop variety	5	30	55	1 00	3 00

Livingston's Perfection. A well-known early variety, which is more extensively grown for canning purposes than any other Tomato; blood red color, perfectly smooth, ripens uniformly and is wonderfully productive. Per pkt., 5c.; oz., 30c.; 2 oz., 55c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Livingston's Favorite. Like the preceding it is a popular canning variety of a fine dark red color. It ripens evenly, is very prolific, good flavor, flesh solid, and bears shipping long distances. Per pkt., 5c.; oz., 30c.; 2 oz., 55c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Ignotum. Very early and prolific; color fine deep red; fruit smooth, heavy and solid, and of delicious flavor. Per pkt., 10c.; oz., 50c.; 2 oz., 80c.; $\frac{1}{4}$ lb., \$1.50; lb., \$4.00.

Scovill's Hybrid. Medium early, large and solid; ripens perfectly to the stem, and rarely rots or cracks. Per pkt., 5c.; oz., 30c.; 2 oz., 55c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Lorillard. Bright glossy red, smooth, of fine flavor and very early. Per pkt., 10c.; oz., 30c.; 2 oz., 55c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

Acme. Color glossy dark red, with a sort of purplish tinge; very smooth and solid. Per pkt., 5c.; oz., 30c.; 2 oz., 55c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Paragon. Bright red, round and productive. Per pkt., 5c.; oz., 30c.; 2 oz., 55c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

The Trophy. One of the largest and best flavored Tomatoes, a standard late variety. Per pkt., 5c.; oz., 35c.; 2 oz., 60c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

Mikado. Very large, smooth and solid, skin, purplish red; has distinct and fine foliage. Per pkt., 5c.; oz., 30c.; 2 oz., 55c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.



Livingston's Perfection Tomato.

	Pkt.	Oz.	2 Oz.	$\frac{1}{4}$ lb.	lb.
Golden Queen. Handsome, round, early and productive	10	50	80	\$1 50	\$4 00
Large Yellow. Similar in size and shape to the Large Smooth Red	5	35	60	1 00	3 25
Red and Yellow Pear-Shaped. A fine variety for pickling	10	50			
Yellow Plum. Round and smooth, used for pickles	10	50			
Red and Yellow Cherry. Best for pickling	10	50			
Strawberry or Ground Cherry. A very fine variety for preserving	10	60			
The Peach. Resembles the peach in size and color. An excellent preserving sort	10	50			

Plants of the leading varieties supplied. Prices on application.

TURNIP. *Navet, Fr. Rube, Ger.*

GARDEN VARIETIES.

For early crops, sow as early in the spring as the ground can be worked, in drills twelve inches apart, and thin to six or eight inches, and for general crops to the middle of August. They succeed best in light, rich soil. Black, loamy soil produces the sweet-flavored roots.



Nimble Dick. Red Top Strap Leaf.

White Swede. Flesh pure white, of extraordinary solidity and well flavored. Per pkt., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 35c.

Early Nimble Dick. The earliest and most delicious table turnip in existence; bulbs medium size, flat; color pure white. Per pkt., 5c.; oz., 10c.; 2 oz., 15c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Early Flat White Dutch. Size medium, of quick growth, juicy, excellent quality. Per pkt., 5c.; oz., 10c.; 2 oz., 15c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Purple-Top Strap Leaf. Flesh fine-grained, rich and buttery flavored. Per pkt., 5c.; oz., 10c.; 2 oz., 15c.; $\frac{1}{4}$ lb., 20c.; lb., 35c.

Bruce's Golden Ball. Skin bright yellow; flesh firm, sweet and well flavored. Per pkt., 5c.; oz., 10c.; 2 oz., 15c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Early White Stone. A very fine variety. Per pkt., 5c.; oz., 10c.; 2 oz., 15c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Laing's Improved Purple Top Swede An excellent Turnip for rich, free soils, very handsome, with a peculiar leaf and small top. Per pkt., 5c.; $\frac{1}{4}$ lb., 10c.; lb., 35c.



Sweet Basil. Sage. Sweet Marjoram. Summer Savory. Thyme.

POT, SWEET AND MEDICINAL HERBS.

IN PACKETS OF FIVE CENTS EACH.

	Per oz.		Per oz.		Per oz.
Angelica.....	20	Coriander	10	Marjoram, Pot.....	50
Anise	20	Dill.....	20	Pot Marigold.....	50
Balm.....	40	Elecampane.....	50	Rosemary	75
Basil, Sweet.....	40	Fennel, Sweet.....	20	Rue.....	50
Basil, Bush.....	40	Fenugreek.....	10	Saffron	40
Borage.....	30	Henbane	50	Sage.....	20
Belladonna.....	50	Horehound	40	Summer Savory.....	20
Carraway.....	10	Hyssop.....	30	Savory, Winter.....	50
Castor Oil Plant.....	20	Lavender.....	30	Thyme.....	50
Catnip	75	Marjoram, Sweet.....	40	Wormwood.....	50

JOHN A. BRUCE & CO'S Collection of Garden Vegetable Seeds for 1894.

For the convenience of customers who are unacquainted with the most suitable varieties, we put up the following collections, comprising only the finest sorts which we know from our long experience are best suited for the district or province for which they may be wanted.

A COMPLETE ASSORTMENT FOR ONE YEAR'S SUPPLY.

No. 1 collection.....	\$10 00	(or by mail, postage paid),	\$11 50
No. 2 collection.....	5 00	"	5 75
No. 3 collection.....	3 00	"	3 40
No. 4 collection.....	1 00	"	1 25

These Collections can be forwarded by mail to any P. O. in the Dominion.

Tree and Hedge Seeds.



Norway Spruce.

The increasing demand for Tree and Hedge Seeds from all parts of the Dominion, and particularly from the Northwest, has induced us to keep in stock increased supplies of the varieties enumerated in the following list. We are frequently asked for instructions as to the best and easiest method of raising seedling trees; and to assist our customers and, at the same time, tend to increase our trade in this particular branch of our business, submit the following instructions, which, if adhered to, will, we have no doubt, prove satisfactory.

Sow the following list in the spring, just as soon as the ground is in good working condition, in beds three feet wide; then draw the soil with the back of the rake from the centre of the bed to a uniform depth of two inches. Sow the seed moderately thick and draw back the soil with the rake and evenly cover the seed to the depth of about two inches. Keep the beds free from weeds, and when the seeds begin to germinate, lightly cover the beds with pine boughs to shade the young plants from the sun. When all are up, the boughs should be gradually removed in order to harden off the young plants, and during the first winter cover the beds with pine boughs to protect the young plants from snow and the sun. Let the plants remain in the beds from two to three years, and then transplant into rows two and a-half feet apart, leaving six to nine inches between each plant. Keep the ground clean and mellow by the frequent use of the horse cultivator and hand hoe, and when the plants are strong enough, remove them to where they are intended to remain.

Norway Spruce. We offer a large stock of transplanted stocky plants of the following sizes: 12 to 15 inches, \$6.00 per 100; 18 to 24 inches, \$10.00 per 100; 24 to 36 inches, \$15.00 per 100; suitable for hedges and wind-breaks, the above are home raised and altogether superior to imported plants. Orders are requested to be sent in by the 1st of May.

Norway Spruce	per oz.	20c.,	per lb.	1 50
Scotch Fir	"	25c.,	"	2 00
Silver Fir	"	20c.,	"	1 50
Juniper Virginian	"	20c.,	"	2 00
Sugar Maple	"	20c.,	"	1 50

European Larch	per oz.	25c.,	per lb.	\$2 00
Austrian Fir	"	20c.,	"	1 50
Arbor Vitæ	"	30c.,	"	2 75
Hemlock Spruce	"	50c.,	"	6 00
Mulberry Russian	"	35c.,	"	3 50

(Any of the above can be supplied at 10 cents per packet.)

SEEDS FOR HEDGES.

Sow the following in the fall, if convenient. If sown in the spring, soak the seeds in tepid milk or water forty-eight hours before sowing, which will assist the germination of the seeds. Sow in drills two feet apart, and when two years old transplant into rows two and a-half feet apart and nine to twelve inches between each plant. Hoe frequently and keep free of weeds, and when two feet high transplant to where you want them to remain.

Acacia, Three Thorned or Honey Locust (*Gleditsia treacanthos*). Very hardy and effectual against man or beast; admirably adapted for the prairies. Per oz., 10c.; per lb., 50c.

Buckthorn (*Rhamnus Catharticus*). Clean seed. Per oz., 20c.; per lb., \$2.50.

Yellow Locust (*Robinia pseudo acacia*). Per oz., 10c.; per lb., 50c.

Osage Orange (*Maclura Aurantiaca*). Per oz., 10c.; per lb., \$1.00.

Berberis (*Berberis Vulgaris*). Very hardy, producing a fine compact hedge, also valuable for its fruit, which is excellent for preserving. Per oz., 20c.; per lb., \$2.50.

FRUIT SEEDS.

Apple Seeds.....	per qt.,	\$0 50
Peach Seeds.....	"	25
Quince Seeds.....	per lb.,	3 00
Strawberry, choice kinds.....	per pkt.,	25
Currants, Red, White and Black.....	per pkt.,	25

Cherry Pits, Mahaleb.....	per qt.,	\$1 00
Pear Seeds.....	per lb.,	2 00
Plum Stones.....	per qt.,	50
Gooseberry.....	per pkt.,	25
Raspberry, Red and White.....	per pkt.,	25

BIRD SEEDS.

CAREFULLY CLEANED, FRESH AND FREE FROM ALL IMPURITIES. (THESE PRICES DO NOT INCLUDE POSTAGE.)

Canary.....	per lb.,	\$0 10
Rape, English.....	"	10
Maw.....	"	30

Hemp.....	per lb.,	\$0 10
Millet.....	"	5
Rape, German Sweet.....	"	10

Special Prices for 100 pound lots and upwards.

Pinner's prepared food for Mocking Birds, Thrushes, Blackbirds, etc., in bulk 35 cents lb., in bottles.. 35 cents each.

Denham's improved Bird Tonic for Canaries and all kinds of Seed Birds, in bottles..... 30

Hart's Mountain Song Restorative..... 25 " "

McAllister's Non-Poisonous Bird Lice Destroyer in Horace's Patented Bellows Box..... 25 " "

Cuttle Fish Bone, per oz., 5 cents.

Bird Sand in packages, 5 and 10 cents each.



AGRICULTURAL SEEDS

1894

SUCCESSFUL FARMING MAINLY DEPENDS ON GOOD SEEDS

We attribute the large annual increase in our trade with the Farmers in all portions of the Dominion to the careful selection of our extensive stocks and the personal supervision we give to their orders. Considering the unfavorable conditions attending the seed harvest of 1893, our prices will be found as moderate as seeds can be sold by any House with whom quality is a factor in deciding the value.

CONDITIONS of SALE.—John A. Bruce & Co. take every precaution to supply Reliable Seeds, but give no warranty express or implied, as to description, quality, growth, productiveness, or any other matter of any Seeds they send out, and they wish it to be distinctly understood that they will not be in any way liable for any loss arising from any failure thereof, or responsible in any way for the crop. All seeds bought from them must be accepted on these conditions.

AGRICULTURAL SEEDS BY MAIL.—Our postal arrangements enable us to forward parcels under five pounds weight to any Post Office in the Province of Ontario, Quebec, Nova Scotia, New Brunswick, Prince Edward Island, Manitoba, British Columbia and the Northwest Territory, at four cents per pound. (See Mailing paragraph, page 2.) Any number of packages can be sent to one address by mail.

JOHN A. BRUCE & CO.,

IN submitting their annual list of Farm Seeds to the agriculturists of the Dominion of Canada, take pleasure in calling attention to the fact that their extensive stocks of Seeds have, as usual, received the most careful supervision wherever grown by contract for their account; and when otherwise obtained, special care and attention have been given to the selections of only such stocks as they have confidence in recommending as likely, with a reasonable degree of certainty, to give satisfaction when due allowance is made for any imperfection of weather, soil and cultivation.

Field Roots.—Our stocks of Swedish Turnips, Mangel Wurzel and Carrot Seeds have been grown with the most scrupulous care by experienced growers in England and France, and their germinating properties carefully tested in order to prevent loss of crop and disappointment to the producer; the Seed harvest of 1893 has been a disappointing one, particularly in Turnips, Carrots and Mangels, and may lead to general scarcity before the close of the season; while our present stocks last there will be no increase in the moderate prices quoted.

Seed Grains.—We have in stock fine samples and a large variety of Barley, Oats, Peas and Wheat, and will take pleasure in submitting samples and quoting prices to all who may desire them.

Clover and Grass Seeds. With our improved machinery, run by electric power, we are enabled to send out very superior samples of Clovers and Timothy Seed, which the careful agriculturist appreciates. It is satisfactory to notice that greater attention is now given to the purity of samples, and this has become necessary owing to the rapid spread of such weeds as Wild Flax and Ragweed, and it is the careless dealer who is too apt to sacrifice quality for price who is largely responsible for this.

The most particular attention is given to our mixtures for our permanent pasture and for renewing old pastures or meadows. This branch of our business is rapidly increasing. Our farmers now realize the fact that to have really satisfactory pastures, other varieties of Grasses and Clovers are required besides Red Clover and Timothy, which have heretofore been almost the only kinds sown.

Ensilage Corn. The ease with which this crop can be grown, the slight cost of seeding an acre, as well as its valuable feeding qualities, has brought Ensilage Corn into great prominence of late years; too little attention is paid by farmers to the selection of the best varieties, and as frequently to the quality of the seed they purchase, and we regret to state that large quantities are sold inferior in both essentials. The varieties we offer are those that careful experiments have demonstrated to be the most valuable, and all have been specially saved for planting, and their germinating properties thoroughly tested.

SUGAR BEET.

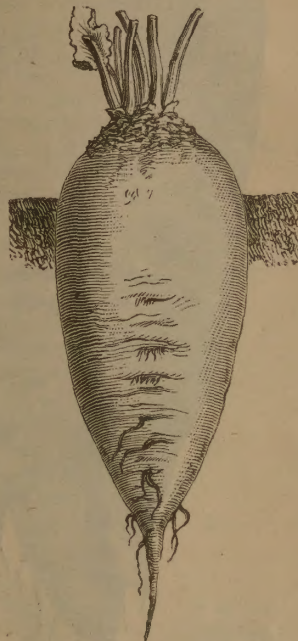
Sow from the middle of April to the first of June, in drills two feet apart, then thin to nine inches in the row. Six pounds of seed per acre. For milch cattle they are most valuable.

LARGE QUANTITIES AT SPECIAL PRICES

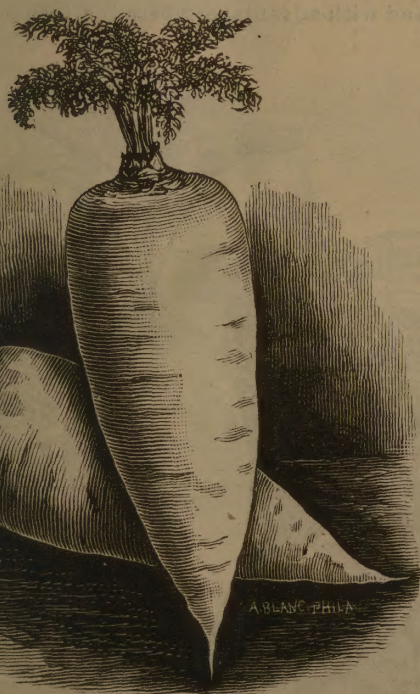
	Per lb.
White Silesian (Lane's Improved). Grows to a large size. Excellent for milch cows.....	\$0 35
Red Top Silesian. This is probably the largest and heaviest cropper.....	35
White French. New. A very superior variety, unusually rich in saccharine properties, and a heavy cropper.....	75

FIELD CARROT.

Saved from carefully selected stocks. Seeds cleanly rubbed and can be sown as easily as turnip seeds. This is an indispensable root for the farm, and is deserving of more general cultivation. They succeed best on sandy soil; will also do well on strong clay loams, when perfectly pulverized, well drained and free from weeds. Well managed, there is no crop pays better, and most farmers would find an acre or so desirable. For horses there is no better alternative, and as a diuretic they are ever worth attention. Sow from the middle of April to the first of June, in drills eighteen or twenty inches apart, and when about three inches high, thin to four inches between each plant. Sow three pounds of seed to the acre. A fair average yield is from 800 to 1000 bushels.



White Silesian Beet.



Mammoth Intermediate Smooth White.

	Per lb.
Large White Vosges. This has now become a standard variety with the farmers of the Province. The root is large and very thick at the shoulder, much shorter than the White Belgian and thus more easily harvested; skin and flesh pure white; a wonderful cropper and of excellent feeding qualities.....	\$0 60
Mammoth Intermediate Smooth White. This grand new half long carrot is somewhat longer than the preceding and more uniform in shape. The flesh is pure white, solid of the finest quality. Very productive and easily harvested; a good keeper.....	60
White Belgian. Improved. A well known variety, of fine quality; most profitable for field culture.....	45
Long Orange Belgian. Superior in quality and a heavy cropper.....	50
French Intermediate Scarlet. A very valuable variety for shallow soils.....	1 00
Long Orange. Large, fine quality, good for general crop.....	75
Altringham. Long, deep red color, excellent.....	1 00

A PICTURESQUE SPOT.

Hamilton Beach is not only a Beautiful and Healthy Summer Resort, but it is also famous for the Cabbage and Cauliflower Plants and Radishes it produces, which are shipped in Thousands all over the Province.

When Agricultural Seeds are wanted by Mail, add 4 cents per lb. to prices quoted.

MANGEL WURZEL—Choice Selected Stocks.

It is one of the most important crops cultivated for home consumption, and in the vicinity of large towns is found to be a profitable crop for marketing. It is of easy culture, the weight of roots grown exceeds that of any other crop, and properly supplied to stock is perhaps the most valuable and nutritious. One of the best properties consists in its adaptation for long and safe storage, by which it is improved, as roots securely put into pits or cool cellars in October will come out in the early part of May containing more nutritive qualities than when put in, forming an admirable substitute for grass in a late season.

The heaviest crops of this excellent root are invariably grown upon land which has been thoroughly cultivated and liberally manured. Artificial manure should be applied at the rate of 500 to 1,000 lbs. per acre, with the addition of 400 lbs. of salt, of which no plants need a larger supply, and which even of itself is capable of increasing the yield per acre to a considerable extent.

The seeds should be drilled to secure a uniform depth, at the rate of five to six lbs. per acre. Sow from the middle of April to the first of June in drills two-and-a-half to three feet apart, and thin to sixteen or twenty inches in rows. The intermediate, from its peculiar shape, may be allowed to stand closer than other varieties. For feeding milch cattle it stands unrivalled. An average crop is thirty tons, and on some of the sewage farms in England the enormous yield of eighty to ninety tons per acre has been grown.

MANGEL WURZEL—LONG VARIETIES.—SECTION 1.

The following are the best adapted for deep, rich, loamy soil :

	Per lb.	In 5 lb lots Per lb.
The Gate Post (Bruce's). A select stock of the Mammoth Long Red. Roots remarkable large, smooth and perfect in shape. The most profitable of the Long Red Varieties.....	\$0 40	\$0 35
Mammoth Long Red. A well known and popular strain.....	40	35
Norbiton Giant Long Red. A first class variety	40	35
Long Red. Medium size, of good quality.....	35	30
Long Yellow. A good variety producing large roots.	35	30

GLOBE AND INTERMEDIATE SHAPED VARIETIES.—SEC. II.

The Gate Post Long Mammoth Red Mangel.

peculiar shape of the bulbs may be grown on strong and even hard land with advantage, where the former would fail to yield a satisfactory crop.

Golden Tankard. Flesh golden yellow. This Mangel contains more saccharine and a higher proportion of flesh forming constituents than any other Mangel.....

Yellow Intermediate. Large and solid good keeper

Giant Yellow Intermediate. This is a new and distinct strain of the intermediate type; the enormous size of the roots, their handsome shape, bright, smooth, yellow skin, while the flesh is of the most solid texture and nutritious quality, makes it the most valuable introduction of recent years, and we take pleasure in recommending it to every mangel grower in the Dominion

Mammoth Red Intermediate yields enormously;.....

Red Fleshed Tankard. In shape it resembles the Golden Tankard; is large solid, nutritious

Yellow Globe. Very large and productive

Warden Orange Globe. Similar to preceding, darker in color; fine quality; a grand keeper

Red Globe. Large and fine.....

In 5 lb. lots.
Per lb. Per lb.

\$0 40 \$0 35

40 35

45 40

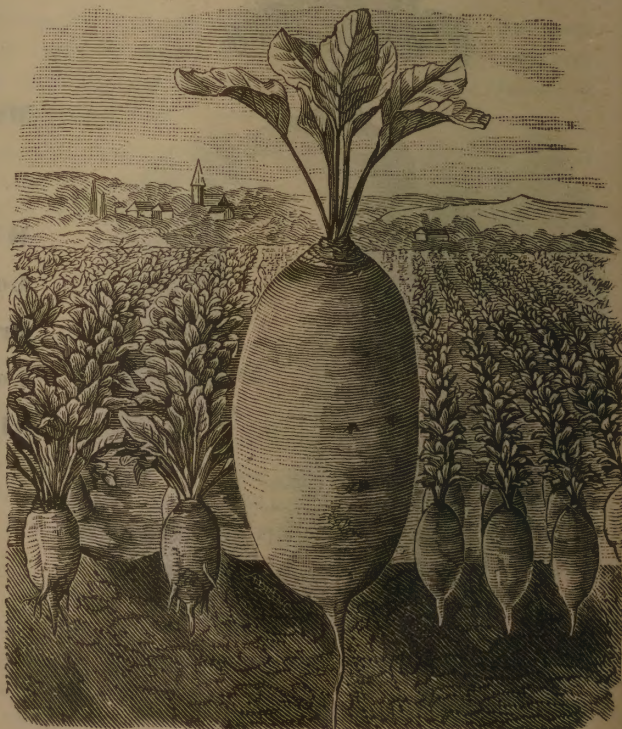
40 35

45 40

35 30

40 35

35 30



New Giant Yellow Intermediate Mangel Wurzel.

TURNIP SEEDS.

The Turnip is now one of the most important crops grown on the farm, and its success, no-doubt, depends greatly on the preparation of the soil and the judicious application of manures, but *not less so on the quality of the Seed* and the care exercised in the selection of the bulbs from which the seed is saved. Impressed with this fact, we have for many years paid special attention to the growth of Turnip Seed, and the increased demand we experience each successive season, as well as the gratifying accounts we receive from all parts of the Dominion as to the excellence of our Turnip Seed, affords us satisfactory evidence of the superiority of our stock and the success that has attended our efforts.

In 5 lb. lots,
Per lb. Per lb.

Bruce's Selected East Lothian Purple

Top. This fine variety has been carefully selected and improved so as to obtain a globular shaped root, free from the least tendency to coarseness; it is particularly adapted to the richer description of soils, and for long keeping qualities cannot be surpassed; it is an extremely heavy cropper, and as a prize winner it takes first place.....

\$0 25 \$0 23

Hall's Westbury. A well-known standard purple top variety; handsome appearance large and solid, a grand keeper, and possibly the best shipping turnip grown.....

25 23

Carter's Elephant Swede. A handsome tankard-shaped Swede, which matures early. The upper part of the root is dark purplish crimson, the flesh deep yellow, solid and nutritious, producing more weight to the acre than any other variety.....

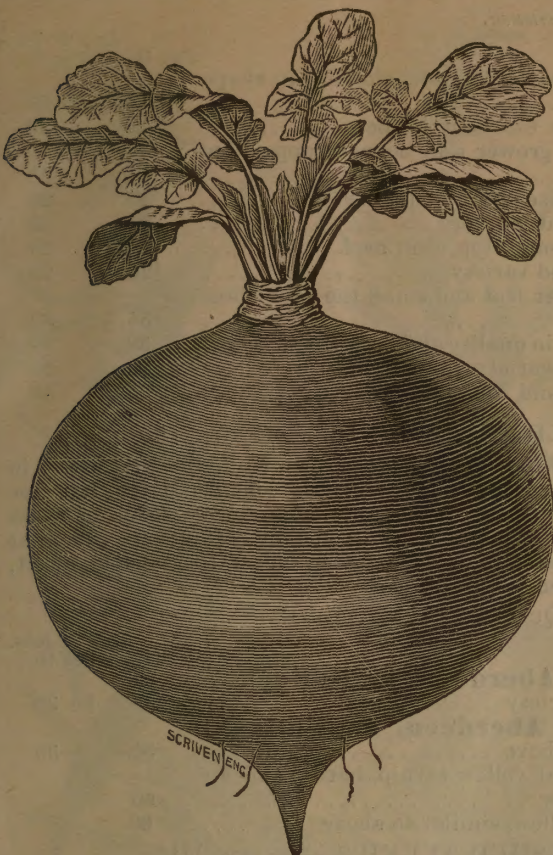
35 30

Carter's Imperial Purple Top. One of the hardiest and best keeping Swedes.....

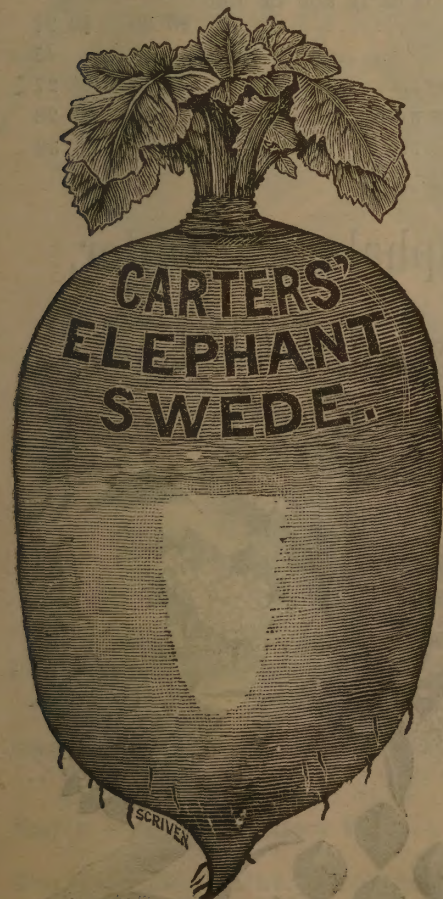
25 23

Marquis of Lorne Purple Top. This is a highly improved variety of the East Lothian type, produces a large weight per acre, is very hardy, and for evenness of crop and keeping qualities it is unequalled.....

25 23



Bruce's Selected East Lothian Swede Turnip.



Elephant Swede.

Royal Norfolk Purple Top. A favorite variety with Norfolk growers, being a heavy cropper, very nutritious and a good keeper. We consider this variety one of the best on our list for strong, heavy land.....

25 23



Hall's Westbury Swede Turnip.

TURNIP SEEDS.—Continued.

	Per lb.	In 5 lb. lots. Per lb.
Drummond's Purple Top. A selected Scotch variety of great excellence, globular in shape, large, solid and of finest quality	\$0 30	\$0 25
Shamrock Purple Top, large, handsome shaped variety, and an excellent keeper	25	23
Skirving's Improved Purple Top. This is a most robust grower and heavy cropper, but runs to neck on rich ground	25	23
Sutton's Champion, a purple topped variety, recommended for size and fine quality	25	23
King of Swedes, a most remarkable cropper, giving a heavy weight per acre	25	23
Sharpe's Improved Purple Top, a very heavy cropper, with small top, thin neck	20	23
Bangholm Purple Top, a very large and handsome purple topped variety	25	23
Laing's Improved Purple Top, very handsome, with a peculiar leaf and small top; for those who grow for the market this variety is highly recommended	35	30
Hartley's Bronze Top, small neck and single tap root; very rich in quality and a first-rate keeper	30	25
Fettercairn Green Top, will keep sound longer than any other variety, fine quality	30	25
White Swede, remarkable for its nutritious properties, hardiness and long keeping	35	30

YELLOW FLESHED TURNIPS.—SECTION II.

The varieties embraced in this section are sown from the first week in July to the middle of August, either after it is considered too late for Swedes, or on land of not sufficient good quality to produce Swedes, or when there is absence of a supply of manure. Three pounds of Seed are sufficient to sow an acre, when cultivated in drills, eighteen inches to two feet apart, and one pound per acre when sown broadcast.

LARGE QUANTITIES AT SPECIAL RATES.

	Per lb.	In 5 lb. lots. Per lb.
Green Top Yellow Aberdeen, or Bullock, a hardy and excellent variety	\$0 35	\$0 30
Purple Top Yellow Aberdeen, or Bullock, similar in quality to above	35	30
Golden Ball, a beautiful yellow turnip, hardy, and an excellent market variety	60	
Orange Jelly, round yellow, similar to above	60	

WHITE FLESHED TURNIPS.—SECTION III.

The varieties embraced in this class may be sown still later than the preceding, say from the middle of July to the end of August.

	Per lb.	In 5 lb. lots. Per lb.
White Globe, grows very large, is early and of fine quality	\$0 30	\$0 27
White Stone or Stubble, a well-known and excellent variety	50	45
Grey Stone, grows to an immense size, is early, hardy, and of excellent quality	30	27
Improved Purple Top Mammoth, grows to a very large size and keeps well	30	28
Red Top Strapleaf, a rapid grower; valuable variety for late sowing	35	30



Yellow Aberdeen.

General List of Agricultural Seeds in Alphabetical Order.

BARLEY.

PRICES ON APPLICATION.

Improved Six-Rowed.**Carter's Prize Prolific Two-Rowed.**

Cotton bags, 2 bush., 20c. and 25c. each.

Hulless.**Duckbill.**

BEANS.—White Field.

Where the soil is suitable beans will be found a most profitable crop to grow, and at the same time there is nothing better for keeping the ground clean. We offer the following varieties at market rates:

Boston Small Pea Bean, early and prolific.**Tree Bean,** very productive, upright growth.**Medium or Navy Bean.****Marrowfat Bean.**

BUCKWHEAT.

PRICES ON APPLICATION.

Japanese. The kernels are about twice the size of the common Grey Buckwheat, and of a color and shape peculiar and distinct from all others. It is the great productiveness of this variety which commands it most especially to the notice of growers.

Common Grey Buckwheat.

BROOM CORN.

Broom Corn succeeds in good deep soil; it is very sensitive to cold.

Long Bush Evergreen, per lb., 25c.

Japanese Buckwheat.



Mammoth Red Cob Ensilage.

CORN.—Field Varieties.

Compton's Early 12-rowed Yellow. From its earliness and productiveness, this variety has given great satisfaction; it is also highly recommended as a fodder corn. Per bushel, shelled, \$1.50

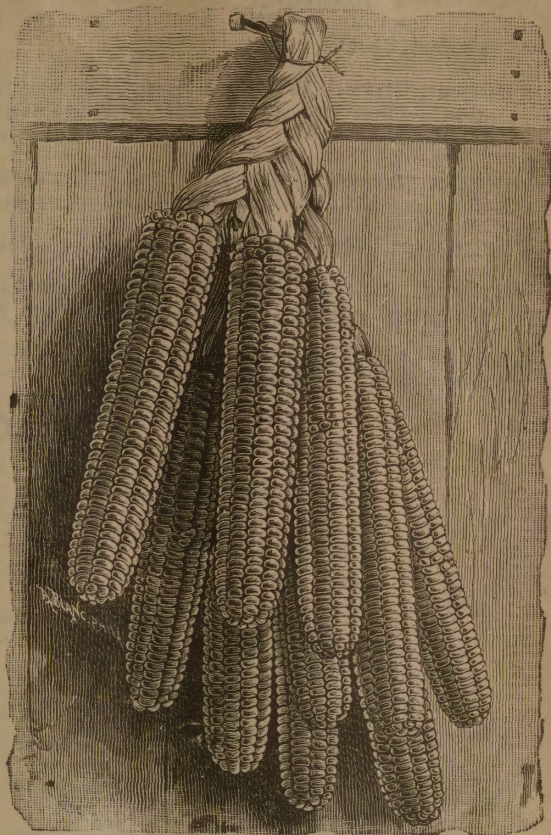
Angel of Midnight. This is an Extra Early 8-rowed Yellow Flint variety; the grains are very large and compactly set on a very small cob. Per bushel, shelled, \$1.50

Early 8-rowed Yellow Flint, a well known variety. Per bushel, shelled, \$1.50

Early White Flint, 8-rowed, a very profitable variety. Per bushel, shelled, \$1.50

Golden Dewdrop, a very handsome 8-rowed Yellow Flint, the ears are of medium length, the grains large, cob small. Per bushel, shelled, \$1.50

Longfellow, a most desirable 8-rowed Yellow Flint variety. Per bushel, shelled, \$1.50



Golden Dew Drop.

CORN.**For Fodder and Ensilage Purposes.**

Our list of Corns embraces all the varieties that careful experiments have demonstrated to be the most valuable for cutting for green fodder and for use in the Silo for winter feeding. Dairying has become such an important industry in Canada that any new introduction that tends to increase the product of the cow is sure to attract attention, and for this reason dairymen are close observers of the varieties that produce the best results. For cutting green we believe the Evergreen Sweet Corn will be found the most valuable on account of its richness, while the Dent varieties are better adapted for the Silo as they are less liable to become sour. The corn we offer has been specially grown for seed and the germination carefully tested.

Mammoth Red Cob Ensilage, a well known variety of great productiveness and most nutritious quality. Per bushel, shelled, 80c.

Mammoth White Cob Ensilage, similar to the preceding in every respect, except in color of cob. Per bushel, shelled, 80c.

Red or Yellow Western Horse Tooth Corn, also used for Fodder and Ensilage. Per bus., shelled, 75c.

Golden Beauty, a most productive variety, highly recommended. Per bushel, shelled, 90c.

Pride of the North or Early Golden Dent. A very early Dent variety, ripening with the Flint sorts; the ears have from 14 to 16 rows and average 8 to 10 inches in length; the stalks are small with fine broad leaves. Per bushel, shelled, \$1 00.

CORN.—*Continued.*

Improved Leaming. A good variety for withstanding drought by reason of its earliness in maturing, strong and vigorous growth, and its stocky, leafy nature which enables it to stand until ripe; per bushel, shelled, \$1.00.

Thoroughbred White Flint, of spreading habit; not more than one kernel should be planted in a hill. Its great suckering habit, breadth of blade and smallness of stock, recommend it as a fodder plant, while for ensilage purposes it is most valuable. Per bushel, shelled, \$1.50

Evergreen Sweet Corn. This is the sweetest and most nutritious of all the fodder varieties and will be found most valuable for cutting and using as green fodder. Per bushel, shelled, \$2.00

Champion White Pearl. A most productive large growing sort. Per bushel, shelled, \$1.00.

Sanford. The best of all the White Flint varieties, it is very early, has abundance of leaves and is suitable alike for green fodder or ensilage purposes; we highly recommend it. Per bushel, shelled, \$1.00.

King of the Earliest. Claimed to be the earliest of the Dent varieties, a strong grower and heavy cropper. Per bushel, shelled, \$1.00

CLOVER SEEDS.

Few seeds vary so much in quality as Clovers, and it is of the utmost importance to the agriculturist to procure really good Seed, clean and free from weeds, and though such samples necessarily command higher prices than secondary qualities, we invariably send out the very best we can procure, unless otherwise ordered. Fine samples, however, sow further, are cheaper, and are the most satisfactory in the end.

Situated in the very centre of the best Clover producing section, our extensive connection with the leading farmers and Clover Seed growers of the Dominion, enables us to purchase the finest qualities of seed, and as we hold one of the largest stocks in Canada, farmers will find it to their advantage to send for samples and quotations.

Clover Seeds being subject to constant variations, prices will be ruled by the Market. Special Prices by the Bushel.



Lucerne Clover.

Common Red. A well known variety..... 15

Mammoth Red or Pea Vine. Valuable for plowing under for manure..... 15

Yellow or Trefoil. Valuable for pasture..... 20

White Dutch. Highly esteemed for permanent purposes.. 25

White Dutch. Extra, selected for lawns..... 30

Lucerne or French Clover. This is an invaluable and certain crop as green food for horses and cattle, and one of the best forage plants for withstanding drought. It should be sown from the middle of April to the middle of May, in drills twelve inches apart, and may be cut three or four times a year. It thrives upon any soil where drainage is good, and as the roots penetrate the soil to a great depth, reaching the moisture, it continues green in the driest weather. Sow fifteen or twenty pounds per acre..... 20

Alfalfa or Chilian, similar to preceding 20

Red Perennial (Cow Grass), very valuable for pasture..... 15

Bokhara (*Melilotus Alba*), a very vigorous growing variety; blooms early in August; about two feet high. Sow in spring. The flowers are white and very sweet scented; very valuable for bees..... 20

Alsike (*Trifolium Hybridum*). Excellent for low lands 15

Italian Clover (*Trifolium Incarnatum*), scarlet. This variety is sown in April and May for soiling and mowing before winter; yields very heavy crops when the season is favorable. Sow fifteen pounds per acre 20

FLAX OR LINSEED.

For Sowing or Feeding.

Flax Seed Meal.

PRICES ON APPLICATION.

GRASS SEEDS.

Greater attention is being given yearly to the improvement of pastures, and it has been found that where a mixture of permanent grasses has been added to Clover and Timothy, which have heretofore been almost the only seeds used, a better heat resisting sod and a richer and more lasting pasturage has been secured, and the result is of the utmost importance in our dry, hot climate. Many of the grasses contained in our list will be found invaluable for this purpose.

GRASS SEEDS—Continued.

Prices may vary slightly as the season advances.

SPECIAL PRICES GIVEN BY THE BUSHEL.



Orchard Grass, or Cocksfoot.

- Phleum Pratensis, or Timothy.** A grass so well known needs no description. Sow 15 lbs. per acre... 10
- Poa Pratensis, or Kentucky Blue Grass,** thrives on a variety of soils, but does best in dry and somewhat shady locations; very valuable, as it will stand the hottest summers. Sow 3 bushels to the acre; 14 lbs. per bushel 15
- Oat Grass** (*Avena Elatior*). Is most valuable for pastures on account of its early and luxuriant growth; it produces an abundant supply of foliage, which is relished by cattle early and late in the season..... 25
- Sanfoin** (*Hedysarum onobrychis*). A valuable fodder plant, with many stems from two to three feet long; spikes of crimson or variegated flowers; root perennial, hard and woody; flowers in June. The amount of fodder obtained from it is less than that of Clover or Lucerne, but its quality, where it can be successfully grown, is better. It generally succeeds best in dry soils, sand or gravel, owing to its long descending tap root, which has been found sixteen feet in length. Sow 60 lbs. to the acre..... 20

When Clover and Grass Seeds are ordered by the bushel, proportionately lower prices will be charged.

Bruce's Mixture of Permanent Grasses and Clover Seeds for laying down Land to Pasture.

When ordering Permanent Grass Seeds it is necessary that our customers should describe the nature and situation of the soil, subsoil, etc., and state whether they are to be sown with or without crop. We invariably send the BEST MIXTURES, unless ordered otherwise.

Our mixtures are composed of the best Clovers and Grasses, and arranged in proper proportion to suit the various soils for which they are intended, our aim having always been to produce a rich and nutritious herbage in the shortest possible time. Quantity per acre, 26 to 30 lbs.

Price per acre.....\$3.00 to \$3.50, according to quality.

Below we give the Ontario School of Agriculture (Guelph) formula of Grasses and Clovers for Permanent Pasture:—

Six lbs. Meadow Fescue, 3 lbs. Timothy, 2 lbs. Canadian Blue Grass, 3 lbs. Orchard Grass, 3 lbs. Red Top Grass, 4 lbs. Lucerne Clover, 1 lb. White Dutch Clover, 1 lb. Alsike Clover, 2 lbs. Red Clover; total, 17 lbs. Grasses and 8 lbs. Clovers, being the quantities required for an acre. Price, \$3.50 for 25 lbs.; per lb., 20c.

Permanent Grasses and Clovers are this season of fine quality. Our supplies are large, and it will pay Farmers to write for special prices, always stating quantities required.

GRASS SEEDS.—*Continued.*

Grass Seed for Garden Lawns, Croquet, Cricket and Lawn Tennis Grounds, Cemeteries, Public Parks and Railway Embankments.

Hints on the Formation and Improvement of Garden Lawns, Croquet Grounds, Cricket Grounds, Tennis Lawns, Etc.

In the first place careful preparation of the ground proposed to be laid down to turf is necessary. This should be commenced in the autumn by draining, if found requisite, and digging to the depth of six or twelve inches, according to the nature of the soil. When this has been done the land should be levelled and made firm with the spade, and subsequently raked to remove stones, etc. Should the natural soil be too stony, it will be advisable to secure a supply of good mould and spread this over the land to the depth of two or three inches. If the soil is poor, some well rotted stable dung will be very beneficial. Where this cannot be obtained we would advise, as the best dressing of artificial manure, 200 lbs. of superphosphate of lime and 100 lbs. of Peruvian Guano per acre. In April, after the ground has been made thoroughly fine and clean, a heavy iron roller should be used to make it perfectly level, and as the subsequent appearance of the Lawn depends in a great measure on this part of the preparation, we cannot too strongly urge the importance of its being well done. The ground should then be evenly raked and the seed sown. April and September are the best months for sowing.

After the sowing has been accomplished the ground should be again rolled, and as soon as the young plants have obtained the height of two or three inches, the whole crop should be carefully gone over with a mower. *Frequent mowings and rollings are indispensable to keep the turf in good order.* By adopting these means a close, green sward will be obtained in nearly as short time as a Lawn produced by sodding, while it will be far more permanent and at much less expense.

For Lawns requiring improvements it is only necessary to sow fresh seed, either in the spring or autumn, using a small tooth rake, and rolling afterwards. Moss in Lawns is generally a sign of poorness in the soil or want of drainage. To effect its removal we advise, after raking off as much as possible, a top dressing of quicklime, mixed with rich compost, applied late in autumn, and a sowing of more seed in the spring, or a top-sowing of soot will, by encouraging the growth of the grass, destroy the moss. This should be applied in the spring at the rate of about sixteen bushels per acre.

On croquet or cricket grounds, where the turf has become bare through constant use, we advise a thick sowing of seeds on the bare spots in September, or early in April, rolling subsequently and mowing as soon after as practicable. A light dressing of manure over the whole as a protection during the winter will be found beneficial in encouraging the growth of finer kinds of grasses and help to produce a close-growing turf. We should not omit to mention that here, as in fine Garden Lawns, mowing alone will not ensure a good bottom without that compression which a roller alone can give.

Bruce's Select Mixture of Grass Seed for Lawns.



The large annual increase in our sales of Lawn Grass Seed is the best assurance of its superiority; and the testimony of those who have used it justifies our claim that it is the most perfect mixture in use for Lawns, Croquet, Cricket and Lawn Tennis Grounds. Sow 40 to 60 lbs. per acre. Price per lb., 30c. Special price for large quantities.

MILLETS.

PRICES ON APPLICATION.

Annual forage plants, valuable for furnishing green fodder and hay in from sixty to ninety days from sowing, producing on good soils an extraordinary yield of excellent forage, highly relished by stock. All varieties should be cut in the blossom. Sow from one-half to three quarters of a bushel per acre.

Common Millet (*Panicum Miliaceum*) very early; height, two to three feet; foliage very broad and very abundant; heads very open, branching panicles; seeds glossy; oval, somewhat flattened.

German or Golden Millet, medium early; height from three to five feet; heads closely condensed, spikes very numerous; seeds round, golden yellow, in rough bristly sheaths.

Hungarian (Grass) Millet (*Panicum Milliaccum*), early; height two or three feet; abundant foliage and slender head; withstands drought and yields well on light soils.

OATS

PRICES QUOTED AT 34 LBS. PER BUSHEL, EXCEPT WHERE NOTED.

A CHANGE OF SEED ALWAYS PAYS.

The White Monarch.—This magnificent white oat was grown for us by one of the best farmers of Ontario, and has given the greatest satisfaction. It surpasses all others for earliness, while its productiveness may be realized from the fact that it yielded from eighty to ninety-five bushels to the acre. The straw is frequently six feet to six feet four inches in height; of a splendid quality; large close panicles, completely clothed with grain of the finest quality and very hardy. It has a wonderfully thin skin, and is consequently much appreciated and valued by millers. Professor Wm. Saunders, Department of Agriculture, Ottawa, Can., says:—"I find this oat is much thinner in the skin than many of the oats we have been growing. From its appearance and character it will be a valuable addition to the varieties we have in this country." Prices for 1894.—1 lb., 20c; 5 lb., 75c., post paid. Per express, 1 peck, 60c; $\frac{1}{2}$ bushel, \$1.00; per bushel, \$1.50.



White Monarch Oats.

Giant Swedish. Grows from 4 to 5 feet high, with strong, yellow, bright, straw; the panicles are of great length and the grains closely set, and enormously productive, many heads having been found containing over 250 grains. Bushel \$0 60

Holstein Prolific. This is a White Oat with large branching open head, grows four to four and a half feet high, with fine clean, bright straw, panicle close and compact, completely covered with close set grains. 60

Golden Giant Side Oat. This is an excellent variety, standing from 4 to 5 feet; of a golden color with strong yellow straw, produces abundantly, and being remarkably free from rust, can be depended upon to give profitable returns. 60

Egyptian. The grain is very plump and heavy, the straw stiff and bright, and it yields well. 50

Welcome is unquestionably a good variety, and deserving of cultivation. 50

Black Tartarian. The Black Tartarian is the best variety of Black Oats in cultivation. 50

White Australian, New Zealand, or White Russian. This one of the best White Side Oats. 50

Potato. This is a favorite White Oat; the grain is very plump and heavy; straw stiff and bright. 60

Triumph, or English White Cluster. A very early sort; straw long and erect; the grain is remarkably heavy. 60

American Banner. This variety has given excellent satisfaction the past season. The grain is of medium size, plump even, and the straw stands up well. We recommend it highly. 60

Special low prices for large quantities.

Cotton Bags, 20 and 25 cents.

PEAS—Field Varieties.

PRICES ON APPLICATION.

The Mummy. A large and prolific variety, straw strong and erect, bearing the pods in clusters on the crown.

Centennial. A grand Pea, extra large and most productive.

Crown. Pods in clusters on crown or top of stalk, very prolific.

Golden Vine. A standard variety.

Blue Prussian.

Marrowfats, White.
Marrowfats, Black-Eyed.

RAPE.

Largely grown for soiling purposes; it is also excellent food for sheep, and is strongly recommended as a most profitable crop for stock raisers to grow. Sow at the rate of 6 pounds of seed per acre, and successional sowing, beginning in May, will insure crops from August onward.

Broad-Leaved Essex Per lb., 10c.

RYE.**Spring and Fall**, re-cleaned.

PRICES ON APPLICATION.

SORGHUM.

Early Amber Sugar Cane. Ripens where Indian Corn matures..... Per lb., 15c.
Early Orange Sugar Cane. Ripens about ten days later than preceding..... " 15c.

SUNFLOWER.

Common Per pkt., 5c.; per $\frac{1}{4}$ lb., 10c.; per lb., 20c.
Large Russian " 5c.; " 10c.; " 25c.

TARES.**Spring, Black**, at lowest market rates.**TOBACCO SEED.****Connecticut Seed Leaf**..... Per pkt., 5c ; per oz., 40c.**SPRING WHEAT.**

Manitoba Red Fife. A well-known and popular bald variety.
White Fife. Resembles the above in size and shape of head and in habit of growth, but the grain is white.
Rio Grande. A well-known variety, and very popular in some localities.
White Russian. A bald, smooth head; grain amber color.
Manitoba Spring. A variety introduced some years ago from Manitoba; head bearded; grain large and plump.
Red Fern or Golden Gate. Very early; grain resembles the Red Fern or Scotch.
Lost Nation. Bald head, white chaff and golden colored grain.
Wild Goose. A most productive variety, head bearded with white chaff, straw very stiff, grain very hard and flinty; midge proof.

Prices of the above vary with the market.

FALL WHEAT.

Canadian Velvet Chaff.
American Bronze
Jones' Winter Fife.
Early Red Clawson.
Landreth or Bonnel.
Golden Cross.
Pride of Genesee.

Surprise.
Seneca or Clawson.
Democrat.
Mediterranean Hybrid.
Manchester.
Early White Leader.

Bes Cotton Bags, 25 cents.

Our Fall Wheat Circular, which we publish in August, will contain a list of the best varieties of recent introduction and will be mailed to all applicants.

FARMERS AND SEEDSMEN

CANNOT afford to be without an Adjustable Wire-Cloth Hand Sieve, DILDINE'S PATENT, PATENTED NOV. 26th, 1878. Will earn their cost one hundred times a year. They are easily managed and not liable to get out of repair. The only sieve made that can be readily changed to all kinds of work for which sieves are generally used. They are worth ten times their cost to every farmer for separating the good seed from the refuse of the hay mow.

Each sieve can be adjusted to a large number of different size meshes, and, as a natural consequence, will do more different kinds of work than any number of the old style sieves. No. 1 Sieve will separate Plantain, Daisy, Buckthorn, Wild Carrot, etc., from Timothy, and Timothy from Clover. No. 2 will separate Rye, Cheat and Cockle from Wheat. Price, \$2.00 each.

WEEDS AND HOW TO ERADICATE THEM.

(Copy of letter sent to the Publishers.)

HAMILTON, 2nd Oct., 1893.

THE J. E. BRYANT Co. (LTD.), TORONTO:

DEAR SIRS,—We have to thank you for a copy of Professor Shaw's book on "Weeds and How to Eradicate Them." This is a subject in which we have a strong personal interest, on account of the increasing difficulty we experience in procuring samples of Clovers and Grass Seeds which do not contain some of the dangerous pests described in this work. At no time more than the present should a work of this kind commend itself as an agricultural study, as the information it contains might profitably be added to the school literature in every rural district; and if a portion of the Provincial Grant to the Agricultural and Arts Association were expended in circulating it, particularly in seed-growing sections, the benefit to agriculture would be incalculable. We shall aid its circulation by advertising it in our Spring Catalogue.

(Signed)

JOHN A. BRUCE & CO.



A garden is the purest of human pleasures. It is the greatest refreshment to the spirit of man and without which buildings and palaces are but gross handiwork.—Bacon.

FLOWER SEEDS.

BRIEF PRACTICAL DIRECTIONS FOR THE CULTURE AND TREATMENT OF FLOWER SEEDS.

Flowering Plants are usually divided into the following kinds :

ANNUALS, BIENNIALS, PERENNIALS.

Annuals.—Plants which require to be sown annually, as they live and bloom only one season.

Biennials.—Plants which do not bloom until the second season after sowing, remain a certain time in perfection and then die. They are produced from seed, and some of the finest varieties are continued by cuttings.

Perennials are plants which continue to grow and bloom annually.

Some annuals are called *hardy*, *half-hardy*, *tender*. Hardy annuals will grow and blossom in the border without any artificial heat or protection, and may be sown during the months of May and June. The soil should be well prepared and neatly levelled, and the seed sown either in small patches, each kind by itself, or in drills. In about a month, more or less, many of them will be fit to transplant, which should always be performed in cloudy or rainy weather.

Half-hardy annuals are applied to those annuals which, though they will flower freely in the open ground, require artificial heat to assist germination, and protection from atmospheric changes during the earlier stages of their growth. Many of them are of great beauty and interest, and derive an additional value from flowering after most of the hardy annuals are out of bloom.

Tender annuals require the aid of a greenhouse or conservatory to bring them to perfection. The seeds are generally sown in March, placing them in a warm part of the green-house or plunging them into a moderate hot bed carefully protecting them from cold, shading them from the sun and watering them with a fine rose watering pot.

Biennials and Perennials may be sown at the same time as Annuals of the same degree of hardiness and treated similarly, except such of the hardy kinds as do not bloom the first year. These last may be thinned out or removed from the seed beds as soon as they are well rooted, and planted either in different parts of the garden, or into a nursery bed, in rows a foot or more apart. Some Biennials and Perennials may be sown in September, or as soon as the seeds are ripe, and if the plants get strong enough before the setting in of winter, most of them will flower the next summer.

On the Preparation and Management of a Hot Bed for Raising Seedlings.

"Sow in heat, sow in hot-beds," are the directions so commonly found in the notices of half-hardy annuals, that we feel that we shall be materially aiding those who are their own gardeners if we give a few simple directions on the subject of hot-beds composed of stable manure, the most frequent and useful form in which it is to be found.

The preparation of the dung is a matter of great importance, and if the bed be expected to retain its usefulness for any length of time, it should be well worked previous to being used. If obtained fresh from the stable yard, and found to be dry, it should be well watered and thrown lightly together to ferment. This will take place in the course of a few days, and three or four days afterwards it should be completely turned, well shaken and mixed, keeping the more littery portion to the interior of the heap; a second watering and turning may be necessary, although one will be generally found sufficient. When thus cleansed of its rankness the bed may be made.

The situation for this should be dry underneath, sheltered from the north as much as possible, and fully exposed to the sun; it should be built from two feet six inches to four feet high, and wider by six inches every way than the frame to be placed upon it. The dung should be well shaken and mixed up while being put together and firmly pressed with the foot. The frame should be kept closed until the heat rises, and three or four inches of sifted sand or ashes should be placed on the surface of the bed. In a few days it will be ready for use; but air should be given night and day while there is any danger of the rank steam, and if the sand or ashes are drawn away from the side of the bed they should be replaced.

BRUCE'S FLORAL NOVELTIES FOR 1894.

NEW SPECIES AND VARIETIES OFFERED FOR THE FIRST TIME
AND PROMISING SORTS OF RECENT INTRODUCTION.

THE DESCRIPTIONS GIVEN ARE THOSE OF THE RAISERS.



Mignon Aster.

CARNATION, Marguerite, New White.

Although only of recent introduction, the Marguerite Carnations have become a most important factor for every gardener and florist who requires Cut Flowers, and justly so now that they are well known to yield such a large profusion of large, sweet-smelling, and almost without exception double flowers from four to five months after the time of sowing. Finding that this valuable race will produce self colors fairly true to seed, we now offer a pure white variety, of which 75 per cent. accurately represent the type.



Centrosema Grandiflora.

The plant is furnished from the base upwards with immense dark green leaves of great consistency, and its exceedingly robust constitution enables it to brave, almost with impunity, high winds or storms. When in full vegetation it is of a most imposing aspect.

PANSY BUGNOTS SUPERB BLOTCHED.

Very beautiful, but shy seeders; new class; extra large flowers with very broad blotches, the two upper petals finely lined, yields a great diversity of the handsomest colors only. This will always be a favorite strain with Florists and Amateurs.

ASTER, Comet, White. This is a pure white and most desirable variety of a very fine class of Asters. The flowers, which are surprisingly beautiful, are composed of long, pure white florets, the disposition of which are characteristic of a Japanese Chrysanthemum, to which indeed the flower bears a strong resemblance.

ASTER, Mignon, New Colors. The Mignon Aster is now a well-established popular favorite, and its habit resembles the Victoria section. The plants are semi-dwarf, and bear when well grown 40 to 50 flowers which have deeply imbricated florets, are of a beautiful shape and unsurpassed for cutting purposes. For pot culture also the plant is a treasure, bearing as it does its lovely flowers with an indescribable grace, having none of that stiffness characteristic of some other classes of Aster. We now offer it for the second time in mixed colors, including white, rose, peach blossom, lilac and red.

ASTER, Queen of the Earlies. This new variety resembles somewhat the Queen of the Market, but flowers from TWO TO THREE WEEKS EARLIER, making it decidedly the earliest of all Asters. Of low, dwarf growth, it is sure to prove valuable for pot culture as well as for cutting purposes. The double flowers of good size, are pure white in color, borne upon long stems.

CENTROSEMA GRANDIFLORA. This is a hardy perennial vine, which blooms early in June from seed sown in April, and bears in the greatest profusion inverted pea-shaped flowers from $\frac{1}{2}$ to $2\frac{1}{2}$ inches in diameter, and ranging in color from a rosy violet to a reddish purple, with a broad feathered white marking through the centre, while the large buds and back of the flowers are pure white, making it appear as if one plant bore many different colored flowers at one time. Occasionally plants produce pure white flowers, while others are broadly margined with a white feathering. The flowers are produced in the greatest abundance, sometimes 6 to 8 in a cluster. The stem and color are very graceful and of a delightful odor. Blooming stems placed in water remain fresh for many days. It is well adapted for every garden purpose, and especially as a climber, running 6 to 8 feet in a season, and will bloom until frost.

IMPATIENS SULTANI HYBRIDA. Charming Hybrids of this universal favorite, while retaining the habit of growth of the type species, they produce lovely flowers of very numerous pleasing shades of color, varying from the most delicate pink to the deepest red. Seed now offered for the second time has been saved solely from these new Hybrids.

NICOTIANA COLLOSEA. One of the finest ornamental foliage plants for open air decoration during the summer months; soil and climate being favorable, it will attain as much as 5 to 6 feet in height.

Per pkt.

\$0 25

40

15

25

10

25

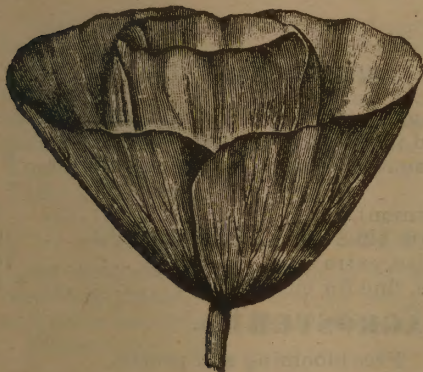
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FLORAL NOVELTIES.—Continued.



Double Yellow Phlox Drummondii.



Tulip Poppy.



Double Yellow Scabious.

PHLOX DRUMMONDII, Lutea flore pleno. Of late years several semi-double flowering Phlox Drummondii have been introduced, the value of which as cut flowers will have been recognized by those who have tried them. The very pretty yellow flowering variety which we now offer comes quite true from seed and possesses a slight perfume. It is worthy of note that in order to produce the best double flowers these Phloxes should be grown in light soil. . . . \$0 25

PETUNIA, New Double, "Aurora." The flowers are of medium size and of a charming delicate rose color, the attractions of which are enhanced by the deep crimson purple veining, with which each petal is intersected. . . . 50

POPPY, the Tulip Poppy. (Papaver Glaucum). Magnificent species originating from Armenia. The plant rises to a height of from 12 to 14 inches, and produces, well above the foliage, 50 to 60 large and splendid flowers of the most vivid scarlet imaginable. The two outer petals of the flower bear a similarity to a saucer, in which are set two erect petals of the same color. When the flowers begin to fade two black spots are visible at the base of the petals. From a mere description no adequate idea can be gained of the strikingly beautiful effect presented by a bed or mass when the plants are in full bloom, the color being, seen even from afar, of such glowing richness as to perfectly dazzle the eye. It commences blooming in June and flowers abundantly and in uninterrupted succession for a period of six or eight weeks. Sown where the plants are to bloom, the minute seed lies several weeks before germinating; in a hot bed it comes up in about eight days. . . . 15

PRIMULA SINENSIS, Snow Queen. A very late flowering variety, which makes it valuable for florists; a vigorous grower, the flower stalks are stout, short and erect; the flowers are large, well-fringed and of the purest white. . . . 25

RICINUS ZANZIBARIENSIS. A new castor oil plant of rare beauty, far exceeding, in size and general splendor of effect, the much admired older kinds. The foliage is of the usual palmate character, produced in great luxuriance and of gigantic proportions, measuring 2 to 2½ feet in diameter; the coloring varies from a light green to a dark coppery bronze and brownish purple. The Seeds also are quite distinct both in shape and color. . . . 40

SCABIOUS, Golden Yellow Double. After several years of careful selection we have at last succeeded in raising a pure Yellow Scabious which comes almost true from seed. The plants of this pretty and useful novelty are semi-dwarf and bushy, and bear in great profusion compact double flowers of a very fine golden yellow color, which are admirably adapted for cutting. . . . 25

STOCK, Triumph Ten-Week, Brilliant Crimson. Of vigorous growth; attains a height of 1 to 1½ feet; is of branching habit, and bears about 70 per cent. of very large double flowers, which are of graceful shape, and the peculiar changing lustre which lights up the rich coloring is especially striking. One of the distinguishing features of this new class is that the single blooms rival the double in attractiveness, the large round-petalled flowers recalling the Scarlet Linum, and being borne so thickly give the plant a really splendid appearance. . . . 25

STOCK, Forcing Ten-Week Snowflake. (Dwarf, Wall-flower-leaved, Large Flowering.) The number of annuals which furnish white flowers, for cutting very early in the year, is so limited that the addition thereto of a first-class novelty, like the present one, will certainly prove welcome. In habit this Stock closely resembles the Dwarf Pyramidal race; it produces a vigorous main spike of uncommonly large and very double snow-white flowers, and when fully developed also numerous flowering side-shoots. Its glossy dark-green (Wall-flower) foliage renders so much the more conspicuous the dazzling whiteness of the flowers. . . . 25

THE QUEEN OF WHITE SWEET PEAS, "Emily Henderson,"

A gloriously beautiful acquisition of American origin. Absolutely pure white, as clear as alabaster and as lustrous as satin. The flowers, of white, as clear as alabaster and as lustrous as satin. The flowers, of

remarkable substance, are borne on long, stiff peduncles, are extra large, with broad, round standards that stand up boldly without reflex or curl. The plants are robust, compact and branching, producing such a prodigal abundance of flowers that the plants appear as if covered with snow. From one plant, specially cultivated, we have cut in one season the seemingly incredible number of 1,035 sprays of bloom. In earliness it outrivals all competitors by nearly two weeks, and continues a veritable "cut-and-come-again" to the end of Autumn. The fragrance is most delicious and distinct. For forcing under glass it is particularly adapted. Per packet (about 50 Seeds), 15c; per oz. (about 300 seeds), 50c. These are in the original packets as received.

Bruce's Flower Seeds

GENERAL LIST FOR 1894.

ARRANGED IN ALPHABETICAL ORDER.

ALL FLOWER SEEDS SENT FREE BY MAIL AT CATALOGUE PRICES.

LIBERAL DISCOUNTS

Purchasers remitting \$1.00 may select seeds in packets at Catalogue prices amounting to \$1.15; for \$2.00, seeds to the value of \$2.25; for \$3.00, seeds to the value of \$3.60; for \$4.00, seeds to the value of \$4.80; for \$5.00, seeds to the value of \$6.00.

ABRONIA UMBELLATA.

A pretty creeping plant, with verberna-like heads of sweet-scented rosy-lilac flowers. *Hardy Annual.* Per pkt. 5

ACACIA.

Elegant and highly ornamental plants for the greenhouse, conservatory or drawing-room. *Greenhouse shrubs.* Finest mixed..... 25

ACHIMENES.

A class of handsome plants, combining great beauty with rich and brilliant colors, succeeding well in a warm greenhouse; finest mixed varieties. 3 ft. *Greenhouse bulb*..... 25

ACONITUM.

Monkshood. A free-blooming plant of easy culture; flowers blue and white; 3 ft. *Hardy perennials.* 5

ACROLINIUM.

A beautiful class of everlasting flowers, much used for winter bouquets. *Half hard annual.*
Album, pure white, 1 ft. 5
Roseum single, light rose, 1 ft. 5
Roseum flore pleno, double rose, 1 ft. 10

ADONIS.

Adonis Æstivals, (Flos Adonis) A showy, hardy annual of easy culture; deep crimson; 1 ft.... 5



Ageratum Mexicanum.

AGERATUM.

Very valuable and showy bedding plants; if lifted in fall and placed in the parlor or greenhouse, will keep up a succession of flowers during the winter. *Hardy Annuals.*

Mexicanum (common), blue..... 5
Little Dorrit, azure blue, very floriferous..... 10
Little Dorrit, white, extra fine..... 10
Conspicuum, white, fine for cutting..... 5

AGROSTEMMA.

Rose Champion. Free blooming and pretty.
Coronaria. *Hardy Perennial* 5
Cœli Rosa. Rose of Heaven. Rose 1 ft. *Hardy Annual* 5

ALONSOA.

Free blooming bedding plants, continuing in bloom from June until cut off by frost. *Half hardy annuals.*
Warcewiczii, bright scarlet; 2 ft..... 5

ALYSSUM.

Free flowering, useful, pretty little plants for beds, edgings and rock work, blooming all summer; they also succeed well in the greenhouse for winter and early spring flowers, and are much used in bouquets because of their delicate fragrance.
Maritimum (Sweet Alyssum) *Hardy Annual.* ½ ft.. 5
Compactum. White, fine for edgings. *Annual*.... 5
Saxatile. Showy yellow. *Hardy Perennial.* 1 ft... 5

AMARANTHUS.

Ornamental foliage plants of an extremely graceful and interesting character, producing a striking effect whether grown for the conservatory or flower garden. *Hardy Annuals.*

Abyssinicus. Blackish purple; 3 ft..... 5
Caudatus. Love Lies Bleeding; showy; 2 ft.... 5
Cruentus. Prince's Feather; scarlet; 3 ft..... 5
Melancholicus Ruber. Crimson foliage; 2 ft.... 5
Tricolor. Joseph's Coat; very pretty; 2 ft..... 5
Tricolor Splendens. Extra fine; 3 ft..... 10
Salicifolius. Long, narrow leaves; 3 ft..... 5

AMPELOPSIS VEITCHII.

Japanese Ivy. This beautiful climber, generally known as Boston Ivy, is especially adapted for covering brick or stone buildings. *Hardy perennial.* 10

ANAGALLIS.

Pimpernel. Valuable for bedding plants; they succeed best in light, rich soil, and delight in a sunny situation; each plant covers itself with a mass of blossoms. *Half hardy annual.*

Extra fine, mixed; 2 ft. 5



Antirrhinum.

ANTIRRHINUM.

Snap Dragon. The flowers are commonly known under the name of Snap Dragon; all the varieties will bloom early out of doors the same season if sown under glass in March, and protected a little at first. The seed we offer is from one of the finest collections in England. *Half hardy perennial.*

Tom Thumb Finest mixed. $\frac{3}{4}$ ft. 5

Tall. Finest mixed. 2 ft. 5

AQUILEGA OR COLUMBINE.

An extremely showy genus of early summer blooming plants, their flowers being both in form and color beautiful. *Hardy Perennials.*

Finest mixed, 2 ft. 10

ARGEMONE.

Showy, free flowering border plants, with large poppy-flowers. *Hardy annuals.*

Platyceras Grandiflora, white; 2 ft. 5

Mexicana, white; 3 ft. 5

ASTERS.

The Aster is not only one of the most popular, but also one of the most effective of our garden favorites, producing in profusion flowers in which richness and variety of color is combined with the most beautiful and perfect form. In our flower beds and mixed borders it occupies a deserved prominent position, while for grouping and ribboning it stands unrivalled. All the varieties delight in a rich deep soil, and in hot, dry weather should be mulched with well rotted manure, and frequently watered. *Hardy annuals.*

Boltzes Dwarf Bouquet. A charming free-blooming class, of compact habit, 8 to 10 inches.

Collection of twelve separate colors. 50

Choice mixed, all colors. 10

Dwarf Victoria. Admirably adapted for bedding and also for florists' use. 9 to 12 inches.

Light blue. 10

Crimson. 10

Peach Blossom. 10

Pure white. 10

Choice mixed all colors. 10

Large Flowered Victoria. A magnificent race of asters; flowers are large, globular and double; plants pyramidal, bearing from 10 to 12 blooms at one time. 18 to 20 inches.

Collection of 12 separate colors. 75

Choice mixed, all colors. 10

ASTERS—Continued.

Dwarf Chrysanthemum-flowered. Flowers very large and double, resembling chrysanthemums. Valuable on account of profuse late blooming. 9 to 12 inches.

Collection of 6 separate colors. 40

Pure white, extra fine. 10

Choice mixed all colors. 10

Dwarf Pæony Perfection. A handsome variety; flowers large of fine form and perfectly double; petals beautifully incurved. 12 to 14 inches.

Pure white very chaste. 10



Truffant's Pæony-flowered Aster.

Truffant's Pæony-flowered. One of the most perfect and popular of all asters, the flowers being very double, large and handsome, petals incurved; 18 to 24 inches.

Collection of 12 separate colors. 75

Collection of 6 separate colors. 40

Snow white. 10

Bright rose. 10

Choice mixed, all colors. 10

Queen of the Market. An extra early variety of graceful spreading habit. Valuable for cutting. 10

Queen of the Earlies (New). The earliest of all asters. For description see novelties, page 41. 25

Snowball or Princess. In form semi-spherical; composed of short, thickly set, imbricated petals. A handsome variety. Pure white. 15

Ball or Jewel. A magnificent and distinct class of aster with ball-like flowers incurved like a double chrysanthemum. Fine mixed. 15

Crown or Cocardeau. A very showy variety; flowers double with a white centre surrounded with petals of a distinct bright color. 18 to 20 inches. Choice mixed. 10

China Aster. Choicest mixed. 5

German Quilled—Betteridges. Very pretty double flowers, rather stiff in appearance; 24 to 30 in.

Collection of 12 separate colors. 50

Choice mixed, all colors. 5

Washington. An extra large flowering aster; one of the best for exhibition purposes.

Choice mixed, all colors. 10

Mignon. New colors in the choicest mixture.

See Novelties, page 41. 25

Pure white, fine for florists' work. 10

ASTERS—Continued.



Comet Aster.

- Comet Asters.** Charming and distinct; are large and double, resembling in the shape and artistically curved and twisted petals, the finest Chinese chrysanthemum; 12 to 15 inches.
Pure white, extra fine. See novelties..... 25
Pink, bordered with white..... 10
- Triumph.** A distinct variety, forming compact plants from 8 to 10 inches high. The flowers are large and of rare beauty, the petals being beautifully incurved.
Choicest mixed, scarlet, and scarlet and white... 10

AURICULA.

- A well-known garden variety of great beauty, succeeding best in a northern aspect. *Half hardy perennial.*
- New Belgian.** Flowers large, very distinct..... 25
Choicest mixed..... 10

BALSAMS.

- Well known and deservedly popular plants, producing flowers in wonderful profusion, resembling the Camellia in form, and often fully as double. *Half hardy annuals.*
- Double mixed..... 5
Double scarlet..... 10
Double Solferino, striped..... 10
- Double Camelia-flowered:**
Collection of six varieties..... 50
Pure white..... 10
Crimson..... 10
Finest mixed..... 10
- Double Spotted:**
Collection of 12 varieties..... 75
- Double Rose-flowered:**
Collection of 12 varieties..... 75
Splendid mixed..... 10



Balsam.

BALLOON VINE.

Cardiospermum halicacabum. A genus of rapid growing climbers, remarkable for an inflated balloon-shaped seed capsule which it bears in clusters; 6 to 8 ft. *Annual*..... 5

BARTONIA AUREA.

Very showy, golden yellow; ½ ft. *Hardy annual*. 5



Bellis or Daisy.

BELLIS PERENNIS.

- Double Daisy, a well-known and favorite plant for the border or pot culture. *Half hardy perennials.*
- Per pkt.
- Snowball.** Extra large and very double, pure white flowers..... 20
Longfellow, Double Red..... 10
Double White, extra fine..... 10
Choicest mixed... .. 10

BRACHYCOMA.

Dwarf, free flowering plants; covered all summer with a profusion of Cineraria-like flowers; very effective in edgings, rustic baskets or for pot culture. *Half hardy annuals.*

Ibridifolia, fine mixed; ½ ft..... 10

BROWALLIA.

Profuse blooming plants, covered with rich, strikingly beautiful flowers during the summer and autumn months.

Elata Ccerulia, sky blue, beautiful; 1 ft..... 5
Elata Alba, white; 1 ft..... 5



Double Begonias.

BEGONIAS.

Tuberous-rooted, new hybrids; these splendid varieties produce handsome plants from 12 to 18 inches high, covered the whole summer, until frost sets in, with bright and elegant flowers of almost every shade of color; when well grown the flowers of some varieties attain an extraordinary size, being frequently more than six inches in diameter.

Seed saved from best varieties..... 25

International Prize. This is an unrivalled strain, the seed having been saved only from the best selected blooms of new French, English and German varieties, whose superiority as regards form, size and color has been abundantly proved.. 40

CACALIA COCCINEA.

Tassel Flower; a beautiful and profuse flowering class of plants, with tassel-shaped flowers; fine for mixed borders. *Half hardy annuals*..... 5

CALANDRINIA.

Very beautiful creeping plants, admirably adapted for planting in rock work.

Speciosa, rosy pink, pretty; 1 ft..... 5

Umbellata, a rich, rosy violet..... 10

CALCEOLARIA.

Plants of highly decorative character, indispensable for the ornamentation of the greenhouse and garden. *C. hybrids* is grown for indoor decorations; while *C. rugosa*, a shrubby variety, is sometimes grown for indoor and sometimes for outdoor decorations. *Half hardy perennials*.

Hybrida, finest mixed, from prize flowers; 2 ft.... 25

James' International Prize, unequalled for size and brilliancy of color; 2 ft..... 50

Rugosa, mixed, valuable for bedding; 1 ft..... 25

Scabiosæfolia, yellow; 2 ft. *Half hardy annual*... 10

CALENDULA.

(Pot or Garden Marigold.) Remarkably profuse blooming plants; their easy culture and continuous bloom make them valuable for the garden or for pot culture. *Hardy annual*.

Meteor. Large double yellow flowers, striped with orange..... 5

Prince of Orange. Beautiful deep orange, a gem. 5

CALLIOPSIS, OR COREOPSIS.

This genus is one of the most striking of all annuals, the tall varieties being very effective in mixed borders; while the dwarf, from their compact habit, are well adapted for beds, the colors all being strikingly beautiful. *Hardy annuals*.

Drummondii, orange yellow..... 5

Nigra Speciosa, rich crimson; 1 ft..... 5

Tinctoria, crimson brown, tipped yellow; 2 ft.... 5



Canterbury Bells.

CAMPANULA.

Canterbury Bell. Well known favorites; bearing large bell and saucer-shaped flowers; well adapted for borders and pot culture. *Half hardy biennials*.

Finest single, mixed..... 5

Finest double..... 5

Pyramidalis, a grand sort known as the Pyramidal Bell Flower *Hardy perennial*.

Finest mixed blue and white; 4 ft..... 5

CANARY BIRD FLOWER.

Tropæolum, bright fringed, yellow creeper, very ornamental; a general favorite, 10 ft. *Half hardy annual*..... 10

CANDYTUFT.

One of the most useful of border annuals; very effective in beds, groups, etc. Also very useful for pot culture for conservatory decorations during the winter. *Hardy annual*.

White, old favorite, 1 ft..... 5

Crimson, very pretty, 1 ft..... 5

Purple, very showy, 1 ft..... 5

Rocket, white, very large heads, 1 ft..... 5

Fine mixed, 1 ft..... 5

CANNA.

This genus, from its stately growth, combined with its rich and varied flowers and picturesque foliage, is one of the most strikingly effective of our ornamental plants, either for conservatory or flower garden. The seed should be steeped for a few hours in hot water before sowing. The roots may be taken up and preserved like dahlias. *Half hardy perennials*

Collection of 6 handsome varieties..... 50

Crozy's New Dwarf Hybrids. Splendid large flowering, with broad leaves, finest mixed..... 10

Dark leaved varieties, finest mixed..... 10



Marguerite Carnation.

CARNATION.

A magnificent class of popular favorites, most of which are deliciously fragrant, with colors extremely rich and beautiful. The seeds we offer are from one of the finest collections in Europe, and will produce many double flowers, and among them many choice novelties. Grow in light, rich soil. *Half hardy perennials.*

	Per Pkt
Marguerite, New White. For description see Novelties, page 40.....	25
Marguerite, choicest mixed.....	20
Grenadin. an extra early variety with brilliant double scarlet flowers.....	25
Carnations and Picotees. Collection of 6 varieties.....	75
Finest mixed, all colors.....	25
Perpetual or Tree, fine for winter blooming, choice mixed.....	25
Double mixed.....	10

CASTOR OIL BEANS.

Ricinus. The picturesque foliage and stately growth, combined with the giant varieties, impart to select plantations, shrubbery and mixed flower borders quite an Oriental aspect. *Half hardy annuals*

Fine mixed. 4 ft.....	5
Zanzibariensis. For description of this handsome variety see Floral Novelty, page 41.	
Borbeniensis Arboreus, of noble aspect. 15 ft.....	10
Duchess of Edinburgh, dark purple stem and leaves. 5 ft.....	10
Cambodgensis, the finest dark foliage variety, strikingly beautiful.....	25

CATCHFLY.

Silene; free flowering plants for beds, borders borders. *Hardy annuals.*

Lobels, red, pretty variety. 1 ft.....	5
" white, very handsome. 1 ft.....	5

CELOSIA.

See Cockscomb.

CENTAUREA.

The silvery foliaged Centaureas are amongst our most beautiful and valuable bedding plants. Should be started early in gentle heat. *Half hardy perennial*

Candidissima. Silvery leaves, very dwarf. 9 inches.....	25
Gymnocarpa, very graceful silver foliage; excellent decorative bedding plant. 12 to 18 inches.....	25



Corn Flower.

Centaurea Cyanus. (Cornflower). A valuable hardy annual for borders; flowers most suitable for bouquets. 2 ft. Fine mixed.....	5
Cyanus, Emperor William. A splendid variety....	5
" Victoria, (Miniature Cornflower). A charming new variety for pots and edgings.....	10
" Moschato, sweet sultan. Finest mixed.	5

CENTRANTHUS.

Compact growing plants, very effective in beds, or as an edging. *Hardy annuals.*

Macrosiphon, pale rose, 1½ ft.....	5
Albus, white flowered, very handsome, 1½ ft.....	5

CENTROSEMA GRANDIFLORA.

New; for full description see Flower Seed Novelties, page 40.....

CERASTIUM TOMETOSUM.

"Snow in Summer." Silver leaved hardy perennial trailing plants, large white flowers, ½ ft.....

CHELONE.

A beautiful, hardy, herbaceous plant, with showy flowers; very effective in beds or groups. *Hardy perennial.*

Barbata, deep scarlet, 5 ft.....	5
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CHINESE PRIMROSE.

(See Primula.)

CHRYSANTHEMUMS.

Very showy and effective border plants, succeeding well in rich garden soil. *Hardy annuals.*

Carinatum Album, white.....	5
" Luteum, yellow.....	5
" Burridgeanum, white, rose and yellow..	5
Coronarium, double white.....	5
" double yellow.....	5

CHRYSANTHEMUMS—Continued.

Chrysanthemums (Annual Varieties).

SINGLE PERENNIAL VARIETIES. Per pkt

Marguerites, or Paris Daisies, largely grown for cut flowers. They flower all summer in the garden and make elegant pot plants for winter bloom.

Fritescens, white..... 10

DOUBLE PERENNIAL VARIETIES.

These are the double sort which attract so much attention at the autumn shows

Indicum Grandiflorum, finest mixed..... 25

" **Double Pompon**, finest mixed..... 25

Japonicum Japanese Varieties, finest mixed..... 25

CINERARIA.

A well-known greenhouse favorite; from the richness and diversity of its colors is one of the most valuable of our early spring flowers; succeeds best in light, rich, free and open soil, *Greenhouse perennial*.

Hybrida Grandiflora, finest large flowering varieties.

Splendid mixed..... 25

Bruce's Prize. The flowers possess extraordinary substance, and are of immense size under good cultivation; for exhibition purposes it is unsurpassed..... 50

Hybrida Grandiflora Kermisina, flowers of a rich, velvety dark crimson, of an immense size, generally furnished with a double row of petals... 50

CINERARIA MARITIMA.

(Dusty Miller) White foliage, very ornamental. *Half hardy perennial*..... 5

Maritima Candidissima, an extra fine variety..... 5

CLARKIA.

A beautiful tribe of favorite plants, with pretty, cheerful-looking flowers, growing freely and blooming profusely under almost any circumstances; but when planted in rich soil and properly attended to they rank among the most effective of bedding plants. *Hardy annuals*.

Pulchella, deep rose, very showy; 1½ ft..... 5

Pulchella Alba, white, pretty; 1½ ft..... 5

Elegans Double, mixed colors; 1½ ft..... 5

Mrs. Langtry The petals have an even edge, and the color of flower is purest white, with an evenly defined disc or centre of brilliant carmine crimson..... 10

CLEMATIS.

A beautiful, fragrant climber, perfectly hardy; seeds often lie dormant for weeks. *Hardy perennials*. Per pkt
Flammula (Virgin's Bower), white; 15 ft..... 10
Vitalba (Traveler's Joy), white..... 10
 Choicest mixed..... 10

CLIANTHUS.

Free flowering shrubs, with elegant foliage and brilliantly colored, singularly shaped flowers, which are produced in clusters, and having splendid effect. *Greenhouse perennials*.

Dampieri, scarlet, pea-shaped flowers; 1 ft..... 25

Magnificus (Glory Pea), scarlet; 15 ft..... 25

CLINTONIA.

An exceedingly pretty, Lobelia-looking plant, admirably adapted for rustic baskets, rock work or vases. *Half hardy annuals*.

Elegans, pale blue, beautiful; 1½ ft..... 10

Pulchella, blue, yellow and white..... 10

COBEEA.

A beautiful conservatory climber, with large, well-shaped flowers and elegant leaves and tendrils. It is of very rapid growth and, consequently, eminently adapted during the summer for warm situations out of doors; in sowing place the seeds edgeways and cover slightly. *Half hardy annuals*.

Scandens, pure lilac; 20 feet..... 10

COCKSCOMB.

Celosia. Highly ornamental, curious looking flowers for the greenhouse, drawing-room and garden; the following sorts have been saved from combs remarkable for their size, symmetry and color. *Half hardy annuals*.

Collection of 6 finest dwarf varieties..... 50

Glasgow Prize, an extra fine dwarf variety, with immense large crimson combs..... 25

Dwarf Mixed, splendid..... 10

Fine Mixed..... 5

Pyramidalis Plumosa, magnificent annual, with charming, feathery heads.

Golden Yellow; 1 ft..... 5

Crimson; 1 ft..... 5

Japonica, Japanese, very ornamental..... 5

COLEUS.

Very effective plants for bedding. *Tender perennials*.

Collection of 6 beautiful varieties..... 75

Choice mixed; 2 ft..... 25

COLLINSIA.

Attractive in beds or mixed borders. *Hardy annuals*.

Bicolor, purple and white; 1 ft..... 5

Grandiflora, blue, white and lilac; 2 ft..... 5

CONVALLARIA MAJALIS.

Lily of the Valley..... 10

CONVOLVULUS.

Old and well-known favorites. The beauty and delicacy of their colors are unsurpassed; they all grow freely in almost any situation. *Hardy annuals*.

Major (Morning Glory); 10 ft..... 5

Minor, blue, yellow and white..... 5

Mauritanicus, charming plant for baskets, rock work, etc.; flowers lavender. *Perennial*..... 10

CORDYLINE.

Beautiful greenhouse foliage plants.

Australis..... 10

Indivisa Lineata..... 25

CORN FLOWER.

See *Centaurea Cyanus*.

COSMIDIUM BURRIDGIANUM.

Flowers similar to the Calliopsis; of a beautiful velvety brown color. *Hardy annual*..... 5



Cosmos.

COSMOS.

Per pkt.

Plants 4 to 5 feet high; covered in the autumn with large single Dahlia-like flowers; fine for bouquets. *Half hardy annual.*

Bipinnata, finest mixed..... 5
Bipinnata Alba, pure white, extra..... 5

COWSLIP.

An early spring blooming border plant. Treatment about the same as for Pansies. *Perennial*.... 5

CUCUMIS.

A most interesting tribe of plants, remarkable for their luxuriance and rapidity of growth, which, if the soil be rich, is truly marvellous. Treat the same as the Cucumber, and train against a wall or trellis, or in any way that may be desired. *Half hardy annuals.*

Flexuosus, Snake Cucumber; 10 ft..... 5

CUCURBITA.

The tribe of Cucurbita or Gourds, are well known as producing some of the most curiously shaped of all fruits, and are very desirable for covering the trellis work of arbors, etc. *Half hardy annuals*.... 10

CYCLAMEN.

A genus of the most beautiful and elegant winter and spring blooming plants for pot culture in parlor and conservatory; if sown early in spring, under glass and well grown, will make flowering bulbs in one year. The seed we offer is saved from the finest strains.

Persicum, choice mixed..... 25

Giganteum. This section is remarkable for the immense size and magnificent colorings of the flowers..... 50

CYPRESS VINE.

Ipomea Quamoclit. A most beautiful climbing plant, with very delicate fern-like foliage and bright scarlet flowers; 10 ft. *Half hardy annuals.*

Alba, rose white, very pretty; 10 ft..... 5

Finest mixed..... 5

DAHLIA.

The seed we offer is from the best named varieties; 5 ft

Double, choice mixed..... 20

Single, finest mixed, very showy..... 20

Dormant Tubers. The finest named varieties. See *Bulbs following Flower Seeds.*

DAISY DOUBLE.

See *Bellis*, page 45.

DATURA.

Per pkt.

Trumpet Flower. A tribe of highly ornamental plants, with large trumpet-shaped flowers. *Half hardy perennials.*

Ceratocaula, satin white, striped; 3 ft..... 5

Wrighti (*Meteloides*), satin white, bordered with lilac; flowers 9 inches long; 3 ft..... 5

Chlorantha flore pleno, golden yellow; 3 ft..... 5

DELPHINIUM.

Perpetual Larkspur, one of the best, hardy, herbaceous plants, flowering in great profusion throughout the summer; flowers in large spikes of endless shades of colors, from pearl white to the richest and deepest blue. *Hardy perennials.*

Elatum Hybridum, splendid mixed; 3 ft..... 5

Chinese Grandiflorum, fine mixed; 2 ft..... 5

Formosum, bright blue flowers, very attractive; 3 ft..... 5

Nudicaule, very pretty, habit, dwarf; flowers bright scarlet; 1 ft..... 10

DIANTHUS.

A magnificent genus, embracing some of the most popular flowers in cultivation, of great variety of color and profusion of bloom.

Barbatus—*Hardy perennials.*

Sweet William, fine mix d; 1½ ft..... 5

Hunt's Perfection, splendid strain..... 5

Dunnett's, double mixed..... 5



Mourning Pink.

Chinese or India Pink. *Half hardy annual.* Finest double mixed..... 5

Heddeewigi, finest single mixed..... 10

Heddeewigi. The Bride; new; white with purple centre, very pretty..... 10

Heddeewigi. Alba Marginatus, Mourning Pink; a beautiful double variety..... 10

Heddeewigi. Hybridus fl. pl.; very large flowering double, choicest mixed..... 10

Heddeewigi. Laciniatus, superb double flowers... 10

Heddeewigi. Diadematus fl. pl.; diadem pink, flowers large, of various tints of rose, maroon and purple..... 10

Heddeewigi. Collection of six finest varieties, single and double..... 40

Plumarius. Pheasant eye, fringed..... 5

Plumarius, New Perpetual Pink. The flowers of this valuable pink, which are sweet scented, come double, semi-double and single, and comprise a diversity of colors. Valuable for florists 25

DIGITALIS.

Foxglove. Handsome and ornamental plants of stately growth and varied colors. Fine mixed; 3 ft.

Hardy perennial..... 5

DOLICHOS.

Hyacinth Bean. A beautiful class of quick growing ornamental climbers. *Half hardy annual.*
Finest mixed; 12 ft. 5

DRACAENA.

See Cordyline.

ECCREMOCARPUS SCABER.

A handsome rapid grower, free-flowering, bright orange flower: 10 ft. *Tender annual.* 10

ERYSIMUM.

Very showy, free-flowering plants, very effective in beds and borders. *Hardy annual.*

Peroffskianum, orange, very showy; 1 ft. 5

ESCHSCHOLTZIA.

An exceedingly showy, profuse flowering class of plants, with extremely rich and beautiful colors, very attractive for bedding, massing or ribboning. *Hardy annual.*

California, yellow, showy; 1 ft. 5

Alba, pure white; 1 ft. 5

EUTOCA.

Neat, compact, free flowering plants, very attractive in beds or mixed borders. *Hardy annual.*

Viscida, deep, blue, fine; 1½ ft. 5

FENZLIA DIANTHIFLORA.

A neat little profusely flowering plant of dwarf growth, well adapted for rustic work or vases; rosy lilac with crimson and orange centre; ½ ft. *Hardy annual.* 25

FEVERFEW.

See Pyrethrum.

FORGET-ME-NOT.

Myosotis. A favorite and well-known border plant; flowers errly, blooms freely, fine mixed varieties; ¼ ft. *Half hardy perennial* 10

Alpestris Victoria. New. Sky blue flowers, with double centre, best for pot culture. 15

FREEZIA.

A most interesting family of plants largely used by florists in cut flower decorations. The flowers are pure white, blotched with yellow on the lower petals, with a delicate musk perfume. Easily forced and remain fresh a long time. The seeds produce a bulb, which plant in October in light soil; give plenty of light and sun. When done flowering put away the bulb in a dry place until next planting season. *Refracta Alba*. 15

FRAXINELLA.

Handsome, very fragrant, free flowering herbaceous plants, suitable for mixed borders; the seed frequently lies dormant for several months, *Hardy perennials.*

Rubra, rosy purple; 3 ft. 5

Alba, white; 3 ft. 5

FUCHSIA.

Well known greenhouse plants; the seed we offer has been selected and saved from the finest named varieties. *Greenhouse shrubs.*

Double and Single, splendid mixed. 25

GAILLARDIA.

Splendid bedding plants, remarkable for the profusion, size and brilliancy of their flowers; very effective and showy. *Half hardy annuals.*

Grandiflora, large flowering single varieties in finest mixture. 5

Picta Lorenziana, Double, very handsome flowers quilled and very double. Fine for bouquets. 10



Gaillardia Lorenziana.

GERANIUM.

Per Pkt.

These well known garden favorites are as indispensable for in-door as out door decoration, and should be extensively cultivated. *Half hardy perennials.*

Fancy Varieties, fine mixed. 50

Finest Scarlet (Zonale) beautiful for bedding. 10

Golden and Bronze, brilliant foliage. 25

Double Zonale, bright, fiery red. 25

GILLIA.

Very pretty dwarf plants, early and free bloomers, valuable for massing and for rockeries. *Hardy annuals.*

Tricolor, white, lilac and purple; ¾ ft. 5

Rosea, rose, purple and white; ½ ft. 5

GLADIOLUS GANDAVENSIS.

Splendid mixture. 10



Globe Amaranth.

GLOBE AMARANTH.

Gomphrena. Extremely handsome everlastings, with showy, pretty flowers, which may be cut in summer and preserved for winter bouquets. *Half hardy annuals.*

Purple, well-known variety; 1½ ft. 5

White, very pretty; 1½ ft. 5

Orange, very beautiful; 1½ ft. 5

Fine Mixed. 5

GLOXINIA.

Per pkt.

A superb genus of stove plants, profuse bloomers, of great beauty and diversity of color; thrives best in sandy peat or loam. *Greenhouse bulbs.* Seed very choice mixed varieties..... 25

GODETIA.

Handsome summer flowering plant, of compact growth, bearing freely large flowers of exquisite colors and shades.

- Lindleyana*, purple, very beautiful. *Hardy annual.*
1 ft..... 5
Lamarckiana, bright yellow flowers, very large.
3 ft. *Hardy biennial.*..... 5
The Bride, pure white, crimson ring at the base of corolla. *Hardy annual.* 1 ft..... 5
Lady Albemarle, flowers four inches in diameter and of a glowing crimson color. 1 ft. *Hardy annual*..... 10
Duchess of Albany, large glossy, satiny, white flowers, very beautiful. 2 ft. *Hardy annual.*.. 10
Lady Satin Rose, bright carmine, extremely effective. 1 ft. *Hardy annual*..... 10

GOURDS.

Ornamental. See Cucurbita, page 48.

GNAPHALIUM—(Edelweiss.)

A pretty Alpine plant. Seed must be sown early in the spring in shallow pans in sandy soil and leaf-mould, and should be kept cool and moist.

- Gnaphalium Leontopodium*..... 25

GREVILLEA.

- Robusta.* A very graceful Fern-like foliage plant, for pots or tropical lawn effects, tender perennial, 3 to 5 ft..... 10

GYPSOPHILA.

A pretty, free-flowering, elegant little plant, well adapted for rustic rockwork. *Hardy annuals.*

- Elegans*, white and pink. 1 ft..... 5
Muralis, bright rose, profuse flowers, $\frac{1}{2}$ ft..... 5

HAWKWEED.

Very useful, free flowering plants, showy in beds. *Hardy annuals*

- Red, White and Yellow*, very beautiful. 1 ft.... 5



Helianthus, Double Sun Flower.

HELIANTHUS—(Sun Flower.)

Very showy plants, remarkable for their stately growth, and the brilliancy and size of their flowers, and well adapted for large shrubby borders, or round the margin of lakes or ponds. *Hardy annuals.*

- Tall Double*, yellow. 7 ft..... 5
Dwarf Double, yellow. 3 ft..... 5
Russian Mammoth, very large. 10 ft..... 5

HELIANTHUS—Continued.

Per pkt

- Globosus Fistulosus*, large double flowers. 4 ft... 10
Green Centered, yellow, very double. 5 ft..... 10
Uniflorus, a gigantic species. 10 ft..... 10
Nanus Folius Variegatus, for planting single or for interspersing among other variegated species, this highly ornamental novelty will be found of great utility..... 10

HEDYSARUM.

French Honeysuckle. Very hardy, plants producing racemes of attractive pea-formed flowers in two colors, scarlet and white. *Perennials.* Mixed. 5



Helichrysum (Everlasting Flowers.)

HELICHRYSUM.

Everlasting Flowers. Exceedingly effective in the flower border, indispensable for winter bouquets, for which purpose they should be cut before the blooms fully expand. *Hardy annuals.*

- Collection of 12 separate colors..... 50
Large flowering, finest mixed..... 5

HELIOTROPE.

A well known genus of profuse flowering and deliciously fragrant plants, splendid for bedding and ribboning, and for baskets or pot culture. *Half hardy perennials.*

- Fine mixed varieties. 2 ft..... 10

HELIPTERUM.

A beautiful genus of everlasting plants, valuable for winter bouquets. *Tender annuals.*

- Sanfordii*, of dwarf, tufted habit, with round clusters of golden yellow flowers. 3 ft..... 5
Corymbiflorum, beautiful white flowers..... 5

HIBISCUS.

A very ornamental and showy plant, well adapted for mixed or shrubby borders. *Hardy annual.*

- Africanus*, cream color, brown centre. $1\frac{1}{2}$ ft..... 5

HOLLYHOCKS.

This splendid plant now ranks with the Dahlia for autumn decorations, and from its stately growth and the varied colors of its magnificent spikes of flowers, may justly demand a place in every large garden or pleasure ground. *Hardy perennials.*

- English Prize*, collection of 12 varieties..... 75
Choice Double, mixed..... 25
Fine mixed..... 10

HUMULUS JAPONICUS.

Climbing Hop. A plant of very rapid growth, beautiful when planted isolatedly and properly supported, also valuable for trellises, etc..... 10

HUMEA ELEGANS.

Per pkt

A very graceful and ornamental plant for decorating gardens and pleasure grounds, with ruby and red grass like florets. Very desirable. *Half hardy biennial*..... 10

ICE PLANT.

A dwarf, trailing plant, much used for garnishing. The leaves and stems are covered with crystalline globules, giving it the appearance of being coated with ice. *Half hardy annuals*. 5

IMPATIENS SULTANI HYBRIDA.

For description, see Novelties, page 40..... 25

IPOMEA.

This genus contains some of the most varied and beautiful flowers in cultivation; for covering old walls, trellises, arbor or stumps of trees, they are invaluable. *Half hardy annuals*.

Grandiflora. The Moon Flower. Large pure white, flowers in great profusion, opening in the evening; rapid and luxuriant summer climber.... 10
Hederacea Superba Grandiflora, sky blue..... 10
Coccinea, bright scarlet, very handsome, 6 ft.... 10
Marmoratis, with elegant silver tipped leaves, largely used for vases and hanging baskets.... 10
Limbata Elegantissima, a beautiful creeper..... 10

IPOMOPSIS.

A remarkably handsome free flowering plant, with long spikes of orange and scarlet flowers. *Half hardy biennials*.

Fine mixed..... 10

JACOBEEA.

Senecio. Free growing plants, producing their gay colored flowers in great profusion; very effective for beds. *Hardy annuals*.

Crimson, double, very beautiful. 1 ft..... 5
Blue, double, showy. 1 ft..... 5
White, double, fine contrast to the preceding 5

KAULFUSSIA.

Compact growing border plants; very effective for pots and edgings. *Hardy annuals*.

Fine mixed..... 5
Atroviolaceæ, rich velvet, beautiful, new. $\frac{1}{4}$ ft... 10

KENILWORTH IVY.

Linaria Cymballaria. Splendid plant for hanging baskets, rustic work, etc. *Hardy perennial*. 10

LANTANA.

A very desirable class of plants for indoor pot culture, and can be trained in any desired form, and are continually in bloom. The flowers are small but showy. *Perennials*..... 10

LARKSPUR.

Very ornamental plants, possessing almost every requisite for the adornment of the garden; profuse bloomers, and of great variety of brilliant colors. *Hardy annuals*.

Dwarf Rocket German, finest mixed. 1 ft. 5
Tall Rocket German, finest mixed. 2 ft..... 5
Hyacinth Flowered, very double. 1 ft..... 5
Stock Flowered, very double, extra fine..... 5

LATHYRUS.

Latifolius. Everlasting Pea. Showy, free flowering plants; very ornamental on trellis work, old stumps, or for covering fences or walls. *Hardy perennial*.

Latifolius, scarlet; 5 ft 5
Albus, white; 5 ft 5
 Fine mixed 5

LAVATERA.

Per pk

Tall, growing very showy plants. *Hardy annuals*.
Trimestris, red; 3 ft. 5
Trimestris, white; 5 ft 5

LEPTOSIPHON.

A charming class of free-blooming plants, valuable for rock work or edging. *Hardy annuals*.

Fine mixed 5

LIMNANTHES.

Very showy, profuse blooming dwarf plants, good for beds, clumps or edgings; thrives in any good garden soil. *Hardy annuals*.

Douglasii, yellow and white, pretty; 1 ft..... 5

LINUM.

Flax, a beautiful class of free-flowering plants, **L. Grandiflorum Rubrum,** being one of the most effective and showy bedding plants.

Grandiflorum Rubrum, 1 ft. *Annual*..... 5

LISIANTHUS RUSSELLIANUS.

This is a splendid plant for greenhouse and conservatory decoration; its flowers are extremely handsome and of a rich, dark blue; 3 ft. *Greenhouse plants*..... 25

LOBELIA.

A very valuable and beautiful class of mostly dwarf growing plants. Their delicate drooping habit and the profusion of their charming little blue and white flowers render them exceedingly ornamental for rustic or hanging baskets, while for border cultivation they are equally effective. *Half hardy annuals*.

Cardinalis, cardinal flower, beautiful scarlet; 2 ft. *Hardy perennial* 10

Cardinalis Queen Victoria, very dark leaves and beautiful flowers of brilliant scarlet, quite constant, splendid acquisition..... 25

Compacta Crystal Palace, dark blue, excellent for edgings..... 10

Erinus Alba, pure white..... 5

Ramosa, very large blue flowers; $\frac{1}{2}$ ft..... 5

Speciosa, blue, fine for bedding; $\frac{1}{2}$ ft. 5

Gracilis, pale blue, fine for vases, trailing 5

LOPHOSPERMUM SCANDENS.

A very beautiful and ornamental climber, with handsome, showy fox-glove-like flowers; very effective for conservatory or garden decorations; rosy, purple flowers; 10 ft. *Half hardy perennial*..... 10

LOTUS.

Very pretty genus of plants, with pea-shaped flowers, for greenhouse or conservatory decoration. *Half hardy annual*.

Jacobeus dark brown; 2 ft..... 10

Luteus, yellow..... 10

LUPINUS.

Albus, white, large and showy; 2 ft..... 5

Nanus, dwarf blue, fine for edging; $\frac{1}{2}$ ft..... 5

Cruickshankii, blue and yellow, pretty; 3 ft..... 5

Luteus, yellow, sweet scented; 2 ft..... 5

Cœrulea, large blue; 3 ft 5

Polyphyllus, 4 ft. *Hardy perennials*..... 5

LYCHNIS.

Very free flowering, herbaceous plants. *Hardy perennials*.

Chalcedonica, bright scarlet, pretty; 2 ft..... 10

Haagaiana, bright scarlet, new; 1 ft..... 10

MALOPE.

A handsome plant of branching habit, with large, showy flowers. *Hardy annual*.

Fine mixed..... 5

MARTYNIA.

Per pkt.

Very handsome, free-flowering plants, with large flowers of great beauty; the young fruit or seed pods are highly esteemed for pickling. *Half hardy annuals.*

Fragrans, purple, very fragrant; 2 ft. 5
Proboscidea, light blue, very showy; 2 ft. 5



Marvel of Peru.

MARVEL OF PERU.

Mirabilis Jalapa. The flowers of this class are very varied and of beautiful colors, which are produced in great abundance. The roots may be preserved throughout the winter like Dahlias. *Half hardy annuals.*

Finest mixed colors; 2 ft. 5

MAURANDIA.

Beautiful climbers for greenhouse or outdoor cultivation.

Barclayana, deep violet, pretty 10



French Marigold.

MARIGOLD.

Tagetes. A tribe of well-known free-flowering plants, with handsome double flowers of rich and beautiful colors; very effective in beds, borders, etc. *Half hardy annuals.*

French, collection of 6 finest double varieties. 50

MARIGOLDS.—Continued.

Per pkt.

French Dwarf, brown and yellow; $\frac{1}{2}$ ft. 5
 " " gold striped, very handsome. 10
 " " fine mixed; $\frac{1}{2}$ ft. 5
 " Tall, fine mixed; $\frac{1}{2}$ ft. 5
African, collection of 6 finest double varieties. 50
 " Orange, very showy; 2 ft. 5
 " Lemon, handsome; 2 ft. 5
 " fine mixed. 5
Tagetes Signata Pumila, fine bedding plants with pretty yellow flowers; 1 ft. 10

POT OR GARDEN MARIGOLD.

See Calendula.

MESEMBRYANTHEMUM.

A beautiful class of dwarf-growing plants; very effective in beds, edgings, rock work, rustic baskets and vases. Succeeds best in a warm situation. *Half hardy annuals.*

Tricolorum, mixed colors, very showy; 1 ft. 5



Machet Mignonette.

MIGNONETTE.

Per pkt.

Reseda Odorata—Well known favorites, highly esteemed for their fragrance. *Hardy annuals.*
 Per oz. 20c. 5
Dwarf Compact, a fine compact variety for pot culture. 10
Machet, pyramidal large flowers, dwarf and compact, the best for pot culture. 10
Myles' Hybrid Spiral, habit dwarf and branching, flowers large. The odor of this variety is superior to any other. 10
Parson's White Flowering. The flowers are almost pure white, of the most exquisite fragrance. 10
Red Flowered, robust in habit, with very large spikes of handsome red flowers. 10
Golden Queen, large flowered, a handsome dwarf variety, flowers golden yellow, a free bloomer. 10
Large Flowered Pyramidal or Tree Mignonette This plant is more vigorous than the old variety, the stems stronger and with proper treatment the so called *Tree Mignonette* will be obtained. 10
Victoria, an extra large flowered red variety. 10

MUSA ENSETE.

(Abyssinian Banana Tree). Magnificent for sub-tropical massing. On the lawn as single specimens they are very effective. Seed sown early will produce immense plants the first season. 25

MIMULUS.

Extremely handsome flowers of brilliant colors. Seeds sown in spring make fine bedding plants for summer blooming, while seed sown in autumn produces very effective early flowering greenhouse plants. *Half hardy annuals.*

MIMULUS.—Continued.

	Per pkt
Moschatus —Musk plant, yellow; $\frac{1}{2}$ ft.....	10
“ Compactus , similar to preceding except that it is of more compact habit, making it more suitable for pot culture.....	20
Cupreus , orange and scarlet, extra fine; $\frac{1}{2}$ ft.....	10
Tigridioides , new, beautiful blotched; $\frac{1}{2}$ ft.....	10



Nasturtiums.

NASTURTIIUMS.

A well known and highly ornamental class of plants. The tall varieties are adapted for rock work. The new dwarf or Tom Thumb varieties are a charming class with brilliant colored flowers, well adapted for bedding and massing in mixed flower borders, most profuse bloomers; when in perfection nothing but a mass of the richest flowers are seen. The seed, if picked young, is an excellent substitute for capers. *Hardy annuals.*

Tom Thumb Crystal Palace Gem , sulphur spotted with maroon; $\frac{3}{4}$ ft.....	5
“ Scarlet , very showy; $\frac{3}{4}$ ft.....	5
“ Beauty , yellow blotched with crimson; $\frac{3}{4}$ ft.....	5
“ Yellow , very pretty; $\frac{3}{4}$ ft.....	5
“ Pearl , cream white; $\frac{3}{4}$ ft.....	5
King of Tom Thumbs , foliage is a beautiful blue green, with intense scarlet flowers; $\frac{3}{4}$ ft....	5
King Theodore , blue green foliage and the blossoms of an intense black; $\frac{3}{4}$ ft.....	5
Empress of India . A most brilliant variety. The plant is of dwarf, compact habit and the flowers are of a brilliant crimson color.....	10
Tom Thumb , fine mixed.....	5
Tall Red , very showy; 6 ft.....	5
“ Yellow , fine contrast to the above; 6 ft.....	5
Lobbianum . The leaves and flowers are somewhat smaller than the ordinary Tall Nasturtium, but their greater profusion renders them superior as climbers.....	10

NEMOPHILA.

This is one of the most charming and generally useful of the dwarf-growing hardy annuals; all the varieties have a neat, compact, and uniform habit of growth, comprising varied and beautiful colors, admirably adapted for edgings, etc. <i>Hardy annuals</i>	
Atomaria , white and black spots; $\frac{3}{4}$ ft.....	5
Insignis , deep blue with white centre; $\frac{3}{4}$ ft.....	5
“ alba , pure white, pretty; 3 ft.....	5
Maculata , white, blotched with violet; $\frac{3}{4}$ ft.....	5



Nemophila.

NICOTIANA.

	Per pkt
Ornamental. <i>Half hardy annual.</i>	
Affinis , sweet scented, pure white star shaped flowers, three inches across, blooming continually in the greenhouse in winter or bedded out in summer.....	10
Macrophylla Gigantea , of gigantic proportions, flowers of a deep red color.....	5
Colossea , an immense variety. For full description see novelties, page 40.....	25

NIEREMBERGIA.

Graceful little plants; valuable for small beds, edgings, etc. <i>Half hardy annuals.</i>	
Gracillis , white, veined with lilac; 3 ft.....	5

NIGELLA.

Love in a Mist. A very interesting class of plants, with curious looking flowers and seed pods. <i>Hardy annuals.</i>	
Damascena , dark blue, very pretty; $\frac{1}{2}$ ft.....	5
Hispanica , blue and purple, very showy; $\frac{1}{2}$ ft.....	5

NOLANA.

Very pretty trailing plants, with convolvulus like flowers; excellent for rustic work or hanging baskets. <i>Hardy annuals.</i>	
Fine mixed.....	5

ENOTHERA.

A free flowering and useful class of plants for beds or borders.	
Biennis , Evening Primrose, yellow. <i>Hardy perennial</i>	5

OXALIS.

Beautiful small plants, suitable for the greenhouse, rock-work, baskets, or outdoor culture; flowering the first year if sown early; blooms in clusters; half hardy perennial; 9 inches.	
Rosea rose-colored.....	10
Tropaeoloides , yellow.....	10

PANSY.

Heartsease. This lovely flower, a favorite with every one, is too well known to need any description. Seed sown in August or September, and kept in cold frames through the winter and planted out in the spring will blossom abundantly the whole season. The Pansy delights in loamy soil, enriched with thoroughly decayed cow manure. The seed we offer has been saved from celebrated collections in Europe, and will not fail to give perfect satisfaction. *Hardy perennials.*

PANSIES—Continued.

Bugnot's Mammoth Pansy.

Collection (imported) of 12 choicest varieties.....	75
“ “ of 6 “ “	50
Per Pkt	

Bruce's Premium. We have much pleasure in offering seed from our unrivalled strain of this garden favorite. The seed is saved from the largest and best shaped flowers 25

Bugnot's. The flowers of this variety are of immense size, symmetrical in shape, petals thick and beautifully marked; every lover of Pansies should give it a trial 25

Non Plus Ultra, a grand strain of mammoth flowering Pansies; great diversity of color; plant compact and bushy, very free bloomers..... 25

Cassier or Five-Blotched, a new and beautiful strain, perfect in size, of form and flower... 25

Trimardeau, flowers of immense size and beautifully marked 10

Snow Queen, fine pure white, very pretty..... 10

White Giant, an extra large white variety, with purple eyes..... 10

Yellow Giant, yellow, with large black eyes; one of the finest and showiest varieties..... 10

King of the Blacks or Faust, flowers intensely black..... 10

Lord Beaconsfield, grand color, purple violet, shading off in the top petals only to a whitish hue 10

Very fine mixed, all colors..... 10

Fine mixed “ 5

PERILLA NANKINENSIS.

A neat and ornamental foliage plant of a mulberry color or blackish purple; is admirably adapted for ribbons, centres of beds, or mixed borders; $\frac{1}{2}$ ft. *Hardy annuals*..... 5

PERSICARIA.

Very showy, profuse growing plants, of easy culture. *Hardy annuals.*

Red, very deep, pretty; 4 ft..... 5

Alba, fine white; 4 ft..... 5

PETUNIA.

A very profuse flowering, easily cultivated garden favorite for outdoor cultivation. In summer there is scarcely a class of plants equal to this; it commences to bloom early and continues a mass of bloom the whole season. It is also very effective in pots for greenhouse or parlor decoration. *Half hardy annuals.*



Double Petunia.

	Per pkt.
Hybrida, fine mixed	5
Striped and Blotched, splendid mixed.....	10
Countess of Ellsmere, purple and white.....	10
Inimitable New Dwarf, very bushy, 5 to 6 inches high, with regular striped flowers; exceedingly effective whether in masses or in pots.....	25
Grandiflora. Single fringed varieties, superb mixed	25
Grandiflora Fimbriata flore pleno. Large flowering double fringed Petunia, a grand acquisition. The flowers are very large and the colors very brilliant.....	25
Grandiflora Fimbriata flore pleno. (Lady of the Lake). The finest double pure white variety yet introduced. About 30 per cent. of the seedlings come double	25
Aurora New Double. For description see Floral Novelties, page 41.....	50
Double Flowered. The seed we offer cannot be surpassed in quality. Flowers from this strain have measured three inches in diameter, of the most beautiful colors, as double as Camellias, and some of them as fragrant as the violet....	25
Fimbriata Venosa flore pleno. See Novelties, page 43.....	50

Collections, finest imported :

Single in 12 choicest varieties.. 75

Double in 12 finest large flowering varieties,.... 75

Double-fringed in 6 finest large flowering varieties 75

PHLOX.

This genus is unrivalled for richness and brilliancy of color, profusion and duration of bloom, which renders them of valuable service in the general flower garden; in fact, a finer sight than a bed of Phlox Drummondii is rarely to be seen. *Hardy annuals.*

PHLOX—*Continued.***Phlox Drummondii Cuspidata.**

	Per pkt.
Drummondii , mixed brilliant colors; 1 ft.....	5
“ Grandiflora , large flowering, finest mixed...	10
“ Alba , pure white; 1 ft.....	10
“ Oculata , white purple eye; 1 ft.....	10
“ Leopoldi , purple, white eye; 1 ft...	10
“ Napoleon III. , dark crimson; 1 ft...	10
“ Queen Victoria , violet, white eye; 1 ft.....	10
“ Radowitski , deep rose; 1 ft.....	10
“ Splendens , scarlet and white; 1 ft...	10
“ Alba Flore Pleno , double white, 60 per cent. of the seedlings produce double flowers, fine for cutting...	10
“ Cuspidata , very distinct and pretty. The flowers are deeply serrated and petals pointed, giving them a star-like appearance.....	10
“ Lutea Flore Pleno , new double yellow. For description of this handsome new variety see Novelties, page 41.....	25
COLLECTIONS FINEST IMPORTED:	
Drummondii , in 12 fine colors.....	60
“ Grandiflora , 6 finest colors.....	50
“ “ 12 finest colors.....	75

PHLOX DECCUSATA.

This beautiful hardy perennial should have a place in every garden.

Finest mixed, all colors..... 10

PORTULACA.

For brilliant, beautiful and gorgeous colors this charming genus stands unrivalled; and whether in baskets, small beds, edgings or rock work, its large, splendid flowers, produced in the greatest profusion, are extremely effective; succeed best in light, gravelly soils, and in a warm situation. *Hardy annuals.*

Fine mixed varieties; $\frac{1}{2}$ ft.....	10
Flore Peno , double flowered; $\frac{1}{2}$ ft.....	15
Collection of 6 finest double varieties.....	50

PLATYSTEMON CALIFORNICUM.

A charming, free-flowering, dwarf-growing plant, very effective in small beds, rustic baskets and edgings; color, cream, spotted with orange; $\frac{1}{2}$ ft. *Hardy annuals.*..... 5

**Carnation Poppies.****POPPY.**

A tribe of showy, free-flowering plants, with large and most brilliant colored flowers; are well adapted for large mixed borders and shrubberies. *Hardy annuals.*

Dwarf French , very showy; 2 ft....	5
Carnation , beautifully striped; 2 ft.....	5

**Shirley Poppies.**

Shirley Poppies , a beautiful strain, with single flowers of many colors; for bedding they cannot be excelled.....	10
Tulip Poppy , for description of this grand new variety see Novelties, page 41.....	15
Iceland Poppies , a beautiful class of dwarf perennial poppies, which, if sown early, will bloom the same year. They are bright and showy, forming tufts of brilliant blossoms, born on slender stalks about a foot high.....	10

POTENTILLA ATROSANGUINEA.

A very profuse flowering, beautiful herbaceous plant, brilliant with crimson flowers; $1\frac{1}{2}$ ft. *Hardy annuals.*..... 5



Primula Alba Magnifica.

PRIMULA OR CHINESE PRIMROSE.

Per pkt.

One of the finest winter and spring blooming plants, indispensable for conservatory decorations. The seed we offer has been selected with great care from some of the finest strains in cultivation, and we can with confidence recommend it. *Greenhouse perennial.*

Fimbriata, extra choice mixed.....	25
" Alba, finest white varieties mixed	25
" " Magnifica, extra fine form.....	25
" " Snow Queen, pure white.....	25
" Striata, Carnation striped.....	25
" Rubra, bright red.....	25
" Rose, bright.....	25
" Coerulea, the finest of all blues.....	25
" Filicifolia, fern-leaved vars., mixed....	25
" Collection of 6 finest colors.....	75

PRIMULA OBCONICA.

With whitish flowers, exceedingly floriferous and very useful for pots and bouquets; sown in February or early spring will bloom uninterruptedly from middle of May..... 25

PRIMULA JAPONICA.

This beautiful Primrose is quite hardy, growing about 1½ feet in height, producing from its tuft of robust leaves a stem bearing four or five separate tiers of whorls of charming flowers, each flower being an inch in diameter and of a splendid magenta color. *Half hardy annual.*..... 10

PRIMROSE.

Yellow. This old-fashioned favorite, so common in the hedgerows and meadows of Britain, is well worthy of a trial here..... 10

PINKS.

See Dianthus.

POLYANTHUS.

Splendid free-flowering plants, either for pot culture or open border. *Hardy perennials.*

Fine mixed, border varieties; 3 ft.....	10
Gold Laced, splendid mixed, from stage flowers; 3 ft.....	10
Hose in Hose, one of the most beautiful strains of this old garden favorite, and one of the gems of English cottage gardens.	10

PYRETHRUM.

Handsome, free flowering plants, well adapted for mixed flower and shrubby borders. *Hardy perennials.*

Double, finest mixed.....	10
Parthenifolium Aureum, (Golden Feather). A desirable plant for bedding.....	10

PYRETHRUM.—Continued.

Per pkt

Double Feverfew, pure white, double flowers; a desirable bedding plant, and largely used for cemetery decoration..... 10

RHODANTHE.

One of the handsomest everlastings for winter bouquets. The flowers require to be gathered when young, and dried in the shade; succeeds best in a light, rich soil, and warm sheltered situation. *Half hardy annuals*

Manglesi, bright rose with silver calyx; 1 ft.....	5
Maculata, bright rosy purple; 1 ft.....	5

RICINUS.

See Castor Oil Beans.

ROCKET.

Very pleasing early spring flowers, profuse blooming plants with deliciously fragrant flowers. *Hardy perennials.*

Purple and White; 1½ ft. Each.....	5
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Salpiglossis.

SALPICLOSSIS.

Per pkt

Highly ornamental and remarkably beautiful autumn blooming plants. Their curiously pencilled and marble funnel-shaped flowers produce a fine effect in beds, borders, edgings, etc. *Hardy annual.*

Finest mixed, beautiful colors; 1½ ft.....	5
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SALVIA.

Flowering Sage, well known for their brilliant colors, and no plants can be finer for bedding. They are easily grown, free flowering and showy. *Perennials.*

Splendens. Finest scarlet. The best of all.....	10
Patens, blue, an old favorite, fine bedder; 3 ft....	25
Coccinea, scarlet, very showy; 1 ft.....	5

SANVITALIA PROCUMBENS.

A pretty dwarf free-flowering plant, suitable for small beds, rock work or edgings; color rich brown and yellow; very effective in beds and masses; 2 ft 10

SAPONARIA.

Of these beautiful little plants it is impossible to speak too highly. They carpet the ground with their beautiful star-shaped flowers during the summer and autumn months; for edgings they are unequalled, bearing cutting back if necessary. For a late autumn bloom in beds they produce a fine effect, while in ribbons the pink, rose and white make a striking combination. *Hardy annuals.*

Calabrac, rich deep pink; ½ ft.....	5
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SCABIOSA.

Sweet Scabious. Handsome, showy plants for mixed borders, variegated flowers. *Half hardy perennials.*

Dwarf Double, fine mixed, all colors; 3 ft.....	5
Golden Yellow Double, for description see Floral Novelties, page 41.....	25

SCHIZANTHUS.

Per pkt

A splendid class of plants, combining elegance of growth with rich profusion of flowers. *Half hardy annuals.*

- Grahamii**, red and orange; 1½ ft. 5
Pinnatus, rosy purple and yellow; 1 ft. 5

SENSITIVE PLANT.

Mimosa. Very curious and interesting plants, their leaves closing if touched or violently shaken; may be grown out of doors, in a warm situation; grow in peat or loam; 1 ft. *Half hardy annuals*... 10

SMILAX.

A well-known greenhouse plant, largely used by florists for table and house decorations; color white 10

SOLANUM.

One of the most beautiful classes of ornamental fruit bearing plants in cultivation. *Half hardy perennials*

- Capsicastrum**, (Minature Orange Tree), covered with a profusion of Orange fruit; 1½ ft. 10
Pseudo Capsicum, (Jerusalem Cherry), orange scarlet fruit; 1½ ft. 10



German Ten Week Stocks.

STOCKS.

Per pkt

Mathiola. The Stock Gilliflower is one of the most popular beautiful and important of our garden favorites. Whether for bedding, massing, edging or ribboning, it is unsurpassed either for brilliancy or diversity of color, or duration of bloom. *Half hardy annuals*

- Ten Week**, fine mixed; 1 ft. 5
 " **Large Flowering**, extra fine, mixed; 1 ft. 10
 " " pure white 10
 " **Giant Perfection**, choice mixed 10
 " **Giant or Tree**, choice mixed 10
 " **Royal Gem**, rich dark crimson 10
 " **Large Flowering**, Wallflower-Leaved, fine mixed 10
 " **Large Flowering**, Wallflower-Leaved, pure white 10
 " **Snowflake**, white forcing, novelty, page 41... 25
 " **Triumph**, brilliant scarlet, see novelties 25
Collection, Large Flowering, 12 finest colors 75
 " **Giant Perfection**, 6 finest colors 50
 " **Wallflower-Leaved**, 6 finest colors 50

East Lothian Wall-Leaved, Snow White. This is a sterling novelty and a grand improvement on the Intermediate class. The purity of the white shows well above the grassy green foliage.

- Half hardy biennial* 25
Collection of 4 distinct colors 50

STOCKS—Continued.

Per pkt

- Brompton, Scarlet.** Convent Garden variety. *Half hardy biennial* 10
Brompton, Snow White (biennial), shining leaves, large flowered, early variety of dwarf, compact habit, produces 70 per cent. of very double pure white flowers 25

SWEET PEAS (Lathyrus).

These lovely and deliciously perfumed flowers have become unusually popular. When cut for filling vases the bloom will last for days, and the distinct colors are very handsome. The seed should be sown as early as the ground can be worked in the spring, to enable the vines to get a good strong growth before the warm weather comes. Prepare the ground by thoroughly working in a large quantity of well-rotted manure. Make a trench 6 inches deep; in this sow the seed and cover two inches deep. As soon as the plants begin to show through fill in the trench. This will secure a deep planting without the bad effect of deep covering of the seed at first, and so enable the plant to bloom continually through the heat of summer. As fast as the flowers come into full bloom or fade, they should be cut off, for if the pods are allowed to form, the plants will stop blooming. Seed may also be sown with great advantage late in the autumn.



SWEET PEAS—Continued.		Per pkt
Black.....	per oz., 20	5
Blanche Ferry, flowers large; pink and white and very fragrant.....	10	
Boreatton, rich, deep maroon.....	5	
Butterfly, white tinted with lilac.....	per oz., 20	5
Duchess of Edinburgh, scarlet merging into rose.....	5	
Eckford's New Varieties, beautiful varieties produced by this celebrated grower. The flowers are large, handsome and of delicious perfume..	10	
Emily Henderson, the new white. For description see Floral Novelties page 41.....	per oz., 50	15
Grand Blue, splendid deep blue.....	20	5
Orange Prince, bright orange pink.....	10	
Painted Lady, pink and white.....	per oz., 20	5
Primrose, pale yellow.....	10	
Princess Beatrice, beautiful rose.....	10	
Queen of the Isles, scarlet mottled with white and purple.....	10	
Splendour, bright rose, flushed with crimson.....	5	
Scarlet Invincible, brilliant scarlet... per oz.,	20	5
White.....	20	5
Fine mixed, all colors.....	10	5
Collection of 12 finest varieties.....	40	

SWEET WILLIAM.	
See Dianthus.	
THUNBERGIA.	
Handsome, free-flowering and rapid-growing climbers, for the conservatory or outdoor cultivation. <i>Half hardy annuals.</i>	
Fine mixed.....	10
Bakerii, pure white, pretty; 3 ft.....	10

TORENIA.	
A very fine annual, forming a splendid plant for vases, hanging-baskets, the greenhouse, or for growing out of doors.	
Torenia Fournieri, large sky-blue flowers, with three spots of dark blue, and a bright yellow centre.....	15
Torenia White Wings, a very attractive, pure white variety.....	20

TRIFOLIUM ODORATUM.	
Sweet Scented Clover, very fragrant; 2 ft. <i>Hardy perennial.</i>	
	5

VALERIAN.	
Very showy border plants, with large umbels of light colored flowers. <i>Hardy perennials.</i>	
Fine mixed.....	5

VENUS' LOOKING GLASS.	
A free-flowering, pretty little plant, especially adapted for beds, edgings, etc. <i>Hardy annuals.</i>	
Blue and White, mixed.....	5



Verbena Auriculæflora.

VERBENA.	
A universal favorite, raised from seed sown in January or February; will bloom abundantly during the summer and autumn of the same year. The plants are more robust in growth, and produce more flowers than those propagated from cuttings. <i>Half hardy perennials.</i>	
Hybrida, fine mixed.....	5

VERBENAS—Continued.		Per pkt
Hybrid, very choice, from named flowers.....	10	
Striped Italian, very fine.....	10	
Auricula Flowered, beautiful strain.....	10	
White, different shades.....	10	
Blue, different shades.....	10	
Defiance, bright scarlet.....	10	
New Mammoth. The plants of this variety bloom freely and are vigorous in growth. The flowers are of the largest size and embrace all the beautiful new colors and shades.....	15	
Collection (imported) of six finest colors.....	60	

VIOLET.	
Well known fragrant spring flowering plants. <i>Hardy perennial.</i>	
Odorata, white perpetual, very pretty; ½ ft.....	10
Odorata, blue Neapolitan; ½ ft.....	10

VISCARIA.	
Very pretty profuse flowering plants. Effective in beds or mixed borders. <i>Hardy annual.</i>	
Oculata, pink, with rich, crimson eye; 1 ft.....	5

VIRGINIA STOCK.	
Extremely pretty, profuse flowering little plants, effective in small beds, baskets or edgings; grows freely in any soil. <i>Hardy annual.</i>	
Red. ½ ft.....	5

WALLFLOWER.	
A well known fragrant plant. <i>Half hardy perennial.</i> Fine mixed.....	
	5
Blood Red, 2 ft.....	5
Golden King, fine yellow; 2 ft.....	5
Harbinger, very early, color brown.....	5
German Double, choice mixed; 2 ft.....	10
“ “ collection of 6 finest colors,.....	60

WHITLAVIA GRANDIFLORA.	
One of the most charming Californian plants of recent introduction; very effective for beds, rib-boning or mixed borders. <i>Hardy annual.</i>	
Gloxinoides, blue and white; 1 ft.....	5

XERANTHEMUM.	
Very showy, free flowering everlastings; valuable for winter bouquets. <i>Hardy annual.</i>	
Purple, Yellow and White, mixed; 2 ft.....	5
Superbissimm, fl. pl.; double purple.....	10

ZINNIAS.	
Very handsome, free-flowering plants, of great richness and variety of colors, and have long been general favorites. The flowers measure two to three inches in diameter, and of various shades of color, embracing purple, deep rose, light rose, mottled rose, red, orange, and buff; they resemble in their outline a fine double French Marigold, but much larger in size. <i>Half hardy annual.</i>	
Double Mixed (Elegans fl. pl.).....	10
“ White “ “.....	10
“ Scarlet “ “.....	10
“ Striped “ “.....	10
Collection of 6 finest double varieties.....	50
“ “ 6 “ dwarf double varieties.....	50
Double Tom Thumb, compact plants, not over twelve inches high, very pretty.....	10
Double Pompon (Darwini fl. pl.) A charming new class with small and very double flowers. Finest mixed.....	10
Haageana fl. pl. Flowers of a deep orange color, small and very double; fine for cutting; 1 ft.	10
New Giant Zinnias (Grandiflora Robusta Plenissima, fl. pl.) This variety forms a handsome bush, three feet in height, and the mammoth double flowers measuring five to six inches across, are of the most brilliant colors.....	10

Floral Collections by Mail—Postage Paid

The following assortments are more especially adapted for culture by the Amateur, and are composed of such varieties that with ordinary care will give a wealth of bloom during the summer and fall months. To induce those who so far have never made a trial at raising flowers from seed, we have priced these special collections at much below regular rates.

COLLECTION A

Comprises Mignonette, Sweet Peas, Nasturtiums, As-ters, Candytuft, Scabious, Balsams, Morning Glory, Calliopsis, Poppy, Portulaca, Sweet Alyssum; 12 choice varieties, 50 cents.

COLLECTION B

Comprises Camellia Balsam, Carnation, Corn Flower, Clarkia, China Pink, Eschscholtzia, Double Sun-flower, Marvel of Peru, Mignonette, Sweet Peas, Nasturtium, Pansy, Poppy, Phlox Drummondii, Asters; 16 extra choice varieties, 75 cents.

COLLECTION C

Comprises Truffant's Aster, Camellia Balsam, Carna-tion, Pansy, Nasturtium, Mignonette, Sweet Peas, Phlox Drummondii, Petunia, Zinnia Elegans, Ver-benas, Ten Week Stocks, Scabious, Salpiglossis, Chrysanthemums; 15 extra selected varieties, \$1.

COLLECTION D

Comprises the leading novelties of the season: Centro-sema Grandiflora, Double Yellow Phlox Drum-mondii, the Tulip Poppy, Bugnot's Superb Pansy, Golden Yellow Scabious, and White Comet Asters; 6 of the choicest novelties, \$1.00.

ORNAMENTAL GRASSES

Are particularly valuable for the formation of winter bouquets, wreaths and other ornaments in connection with the everlasting flowers, for which purpose they should be cut when green, at about the time of flowering, and dried in the shade.

	Per pkt
Agrostis Elegans , very beautiful.....	5
Agrostis Nebulosa , the most elegant of orna-mental grasses.....	5
Avena Sterilis (Animated Oats), very inter-esting	5
Briza Maxima , one of the best ornamental grasses, perfectly hardy.....	5
Briza Gracilis , very beautiful variety from Cape of Good Hope.....	5
Bromus Brizæformis , very fine grass, with elegant hanging ears.....	5
Bromus Madritensis , very fine for dyeing...	5
Chloris Radiata , small growth and tassel like.	5
Coix Lachyrma (Job's Tears), broad, corn-like leaves	5
Eragrostis Elegans , an elegant, airy grass of dwarf growth	5
Erianthus Ravennæ , Fol. Var. (new), same habit as Erianthus Ravennæ, with beautiful variegated foliage.....	10

	Per pkt
Erianthus Ravennæ , extremely elegant, re-sembles the Pampas Grass in appearance and habit of growth; its noble plumes of silvery inflorescence are pure white and most delicately beautiful; 7 ft.....	10
Gynerium Argentum (Pampas Grass), the most notable grass in cultivation; flowers sec-ond season; not quite hardy here, though we have kept plants well by covering with leaves..	10
Hordeum Jubatum , one of the finest for bouquets	5
Lagurus Ovatus (Hare's Tail Grass), small, white plumes; 1 ft.....	5
Stipa Pennata (Feather Grass), magnificent, but rather difficult to grow without heat.....	10
Zea Japonica , Fol. Var. (Striped Leaved Japanese Corn), the leaves finely striped with white.....	5



Gladiolus.

FLOWERING BULBS

FOR SPRING PLANTING.

GLADIOLUS.

There are few flowers which produce such a gorgeous effect as this magnificent autumn-flowering plant. Largely as they are used, and popular as they undoubtedly are, they deserve to be still more exten-sively grown. The great wealth and variety of color, the richness of their markings, the size of the flowers and the profusion of bloom, all combine to make them one of the most effective plants for the garden, either for massing or for growing as single specimens.

CULTURE.—Gladiolus are of the easiest culture. The bulbs may be planted any time from the middle of May up to the end of June. They will grow well in ordinary garden soil with almost no care whatever. The bulbs may be taken up in the fall and stored during the winter in a dry cellar away from frost.

Childsii. Growth more vigorous than any variety, standing tall and erect, with immense spikes of bloom of magnificent colors, equalling Orchids, and lasting a long time before fading. Finest mixed, \$3.00 per dozen.

Snow White. The only pure white in existence; large well-opened flowers and enormous spikes. Each, 20c.

Duchess of Edinburgh. Beautiful form and substance; purplish Rose, with a carmine stripe on the lower divisions. Each, 20c.

Queen of the Fairies. Fine, light, sulphur yellow; magnificent. Each, 20c.

COLLECTIONS OF CHOICE GLADIOLUS

AT SPECIAL LOW PRICES

COLLECTION No. 1.

TEN FINE NAMED VARIETIES, 75c.

- Angele**—Soft mother-of-pearl color.
- Napoleon III**—Bright scarlet, white line in the centre of the petals.
- Mad. Monneret**—Soft rosy pink; late variety.
- Marie Lemoine**—Long spike of fine, well expanded flowers; upper division of a pale cream color, flushed salmon-lilac, lower divisions spotted purplish-violet, bordered deep yellow.
- Le Titien**—Very brilliant rosy scarlet.
- Princess of Wales**—White flamed with carmine-rose; deep carmine blotch.
- Sylphide**—White, flamed with carmine; large purple-carmine blotch.
- Isaac Buchanan**—Best yellow.
- Ceres**—Pure white, large purplish-rose blotch.
- Stella**—White, slightly tinted with yellow and rose, flamed with carmine.

SELECTIONS FROM THIS COLLECTION, 10c. EACH.

COLLECTION No. 2.

TEN SPECIAL FINE VARIETIES, \$1.25.

- La Candeur**—White, lightly striped with carmine violet.
- Diamant**—Flowers extra large, fleshy white, of a remarkable freshness throat ivory-white, blotched and streaked carmine, new color of exceptional distinctness, early flowering; a magnificent plant.
- Phebus**—Brilliant red with large, conspicuous, pure white blotch.
- Meyerbeer**—Brilliant scarlet, flamed with vermillion; amaranth-red blotch.
- Romulus**—Very brilliant dark red; large pure white blotch; large white lines on lower petals
- Amalthee**—Pure white, with large violet-red blotch; ground of the corolla velvety violet, the lower petals slightly tinted with lilac.
- Astree**—Pure white, with distinct violet-carmine blotch; throat diffused with pale lilac.
- Coquette**—Large and fine flower of bright cherry-red with a conspicuous pure white blotch; upper petals striped with delicate rose.
- Reine Blanche**—Pure white, dark carmine blotch.
- Addison**—Deep amaranth.

SELECTIONS FROM THIS COLLECTION, 15c. EACH.

GLADIOLUS FOR CLUMPING.

The following varieties are particularly adapted for clumping and bedding:

	Per doz		Per doz
Brenchliensis , fine scarlet.....	\$1 00	Hybrids , rosy ground, extra fine mixed.....	\$0 60
Extra Fine Mixture	50	Hybrids , red ground, extra fine mixed.....	60
Hybrids , white ground, extra fine mixed.....	75	Hybrids , yellow ground, extra fine mixed....	1 00
Choice Mixed	30c. per dozen.		

DOUBLE TUBEROSE.

The fragrance and beauty of the Tuberose has made it a favorite with all. It keeps in bloom for a lengthened period, and its pure white wax-like flowers are produced in long spikes. Plant in the open ground in May, but the bulbs can be started much earlier in pots if desired. Place in a sunny spot in rich soil and cover the top of the bulb to the depth of an inch.

The Pearl, large flowering roots.....per doz., 75c.; per 100, \$5.00

LILIES.

	Each	Per doz		Each	Per doz
Auratum , (New Golden Japan Lily) white ground with purple spots, flaked and striped with gold.....	\$0 25	\$2 50	Lancifolium —rubrum, red Japan.....	\$0 20	
Lancifolium —album, white Japan.....	25		Tigrida Pavonia , crimson spotted tiger flower.....	05	\$0 50
“ rosum, rose “.....	20		Tigrida Conchiflora , yellow.....	05	50

COLOCASIA (CALADIUM) ESCULENTUM.

One of the most beautiful and striking of the ornamental foliage plants, either for cultivation in large pots or tubs, or for planting out on the lawn. Price, 25 cents each; \$2.50 per dozen.

CHOICE BEDDING PLANTS.

	Per doz.		Per doz.		Per doz.
Chrysanthemums	\$1 00 to \$2 00	Verbenas	\$ 75	Petunias, Double	1 50
Carnations, Double	1 50	Roses, Hybrid Perpetuals	2 00	Pansies	\$1 00 to 1 50
Coleus	75	Roses, Moss	2 00	Roses, Tender (in varieties)	1 50
Picotees	1 50	Geraniums	1 00	Feverfew	1 00
Heliotropes	1 00	Petunias, Single	1 00	Begonias	\$1 00 to 2 00

FINEST DOUBLE AND SINGLE DAHLIAS.

Selected from the finest collection in Canada, the tubers offered are large, dry roots, just as lifted out of the ground, and each will produce from two to three strong eyes. Plant when the ground is dry and warm, from middle of May to middle of June, and in rich, loamy soil; water frequently after planting and tie to stakes. A little pruning and thinning out will produce extra large blooms. About the middle of October take up the roots and place on shelves in a dry cellar, free from frost.

FINEST DOUBLE AND SINGLE DAHLIAS.—Continued.

SELF-COLORED VARIETIES, 25c. EACH, \$2.50 PER DOZEN.

Benjamin Crossland, dark maroon.
Christopher Ridley, bright red.
Criterion, light mauve.
Doctor Boses, fine scarlet.
John Standish, cardinal red.
John Bennett, yellow.

Marquis of Lorne, mauve.
Mrs. Dods, fine yellow.
Mrs. Douglas, magenta.
Princess Matilda, fine white.
Prince Bismarck, dark purple.
Triumph de Pagur, dark maroon, fine.

FANCY VARIETIES, 25c. EACH, \$2.50 PER DOZEN.

Agla, light color, with purple top.
Chang, yellow striped and mottled.
Hercules, yellow, with red stripes.
James Bennett, yellow, with scarlet tips.
John Forbes, fawn color striped maroon.
Miss Browning, white, with yellow tips.

Mrs. N. Hall, bright scarlet, tipped with white.
Mrs. T. Beasley, white, with lavender tips.
Peri, white lilac tips.
Rebecca, lilac striped crimson.
Rev. J. B. Cam, yellow flaked crimson.
Queen of Sports, white, with lilac stripes mottled.

POMPON DAHLIAS.

This beautiful class produces flowers of exquisite form and colors, and are very valuable for table bouquets and other floral decorations; 25 cents each, \$2.50 per dozen.

STRAWBERRY PLANTS.

When ordered to be sent by mail, add 20 cents for postage on every 100 plants.

The following list consists of the standard varieties in general cultivation:

	Per doz.	Per 100
Wilson's Albany , an old favorite, being a good cropper and unexcelled for shipping.....	\$ 30	\$1 00
Sharpless , of large size and finest flavor.....	40	1 50
Haverland , a vigorous grower, fresh, large and moderately firm..... (Pistillate)	30	1 00
Bubach , a magnificent berry, very large, great bearer; to be preferred to the Sharpless.... (Pistillate)	30	1 00
Crescent Seedling , a most vigorous grower, very productive..... (Pistillate)	25	1 00
Williams . This variety has given the greatest satisfaction wherever tried; strawberry growers everywhere are discarding the Wilson for the Williams..... (Staminate)	40	1 50
Parker Earle . This variety stood the long continued drought of last summer, producing large, highly-flavored, handsome fruit after all other varieties had given out..... (Staminate)	40	1 50

RASPBERRY PLANTS.

When ordered by mail, add 20 cents per dozen for postage.

	Per doz.	Per 100
Cuthbert Red , vigorous and very hardy, an abundant bearer; fruit large and finest flavor.....	\$ 40	\$2 00
Hansell Red , the earliest variety, quite hardy, prolific, and of excellent flavor.....	40	2 00
Gregg Black , the best of all the Black Varieties.....	40	2 00

CURRANTS AND GOOSEBERRIES.

	Per doz.		Per doz.
Red Cherry	\$1 00	Black Naples	\$1 00
Victoria Red	1 00	Lee's Prolific Black	1 00
Raby Castle Red	1 00	Gooseberries (Smith's Improved).....	1 00
Fay's Prolific Red	1 50	" (Downing)	1 00

When Currants or Gooseberries are ordered to be sent by mail, 30 cents additional must be remitted on each dozen ordered, to pre-pay postage.

FOREIGN GRAPE VINES.—For Culture Under Glass.

We can supply fine healthy canes of the following standard varieties for Warm or Cool House, viz.:—Black Hamburg, Golden Hamburg, Rose Chasselas, Lady Down's, Syrian and Wilmot Hamburg.

For Warm House—Black Muscat, Muscat Hamburg, Royal Muscadine, Buckland's Sweet Water and White Frontignan. Price, \$1.00 each; \$9.00 per dozen.

CLEMATIS IN VARIETY.

There are no hardy climbing plants attracting more attention and admiration at the present time than the Clematis. They are in continuous flower from June till November, and are all perfectly hardy; excellent for covering walls, trellises, verandas, porches, old stumps, etc. They require good, rich soil. In very dry weather, water occasionally.

The following varieties have been selected as being the most satisfactory, price 75 cents each.

Alexandria, pale reddish violet.
Duchess of Edinburgh, double white.
Henryii, single white.

Jackmanii, dark rich royal purple.
Rubella, rich claret purple.
Star of India, reddish plum with red bars.

FERTILIZERS.

The Buffalo Ammoniated Bone Superphosphate is a highly concentrated, active and efficient fertilizer. It is dry and finely powered, therefore well adapted for drilling or sowing broad-cast; the soil quickly takes hold of it, and the plant derives just the nutriment needed. It is particularly adapted for wheat, corn, rye, buckwheat, oats, barley, grass, tobacco, hops and fruit trees, and the testimonials which can be produced certifying to the value of Bone Superphosphate as a fertilizer are unlimited, it frequently doubling the natural crop. For grain crop uses 300 to 500 pounds per acre; for grass crops 250 to 300 pounds per acre. \$50 per ton. \$7.00 per barrel of 250 pounds, \$3.00 per 100 pounds.

Pure Ground Bones for fertilizing and feeding purposes. Our ground bones are a very superior and carefully prepared fertilizer. A machine that will sow plaster will also answer the above. In Turnip culture they are particularly recommended. Apply at the rate of ten bushels (600 pounds) per acre, and drill in with the seed. \$2.50 per 100 pounds.

Buffalo Pure Ground Bones. The best made; \$3.50 per 100 lbs.; \$7.00 per bbl. of 250 lbs.; \$52.00 per ton

Peruvian Guano - From the large amount of ammonia and phosphate contained in pure Guano, it is one of the most powerful stimulants for planting and growing crops. Before using, it should be made fine, and may be mixed with loam, charcoal dust or plaster. It should not be mixed with lime or ashes; muck and clay also are not suitable. It should not come in contact with growing plants. As it is nearly soluble in water, it is most easily converted into liquid manure, and when applied in that form its effects are almost immediate. One pound of Guano to twenty gallons of water will be sufficiently strong for a single watering each week, or more efficient than repeated waterings with weaker solutions. Per pound, 10 cents; twenty-five pounds, \$1.75; per bag of about one hundred and sixty pounds, 6 cents per pound.

Nitrate of Soda, a powerful fertilizer, containing a large percentage of nitrogen, the property which soil most requires. Per 100 lbs., \$3.50.

Gypsum, or Pure Land Plaster, is white. It has great power in seizing on the escaping ammonia and giving it to plant life. Gypsum is the cheapest, and especially when used in conjunction with manure, one of the most powerful fertilizers in nature. It also attracts moisture. Is used largely on all crops, and is of great benefit to Lawns, as well as to every sort of Fruit Trees, Vegetables or Flowers. Sow early in the spring and autumn, when verdure is moist. Best effect to sow light and often. In good linen bags containing 150 lbs., (useful for potatoes, etc.) 85 cts. per single bag. Special rates per ton.

Hammond's Sward Food, a first-class Top Dressing, especially prepared for Lawns, Meadows and all grass lands, to assure a thick matted growth of rootlets. It is bad for the Grubs, and brings no weeds. Approximate quantity to be used:—For say 2,000 square feet, 25 lbs.; per acre, 600 to 1,000 lbs. No unpleasant odor and quick results. For flowers, stir it in the soil and it will help to make a poor flower bed profuse, bountiful and beautiful. Morning Glories fairly revel from its effects, and so do all running vines and Cabbage, Kale and Spinach. Sward food is put up in bags of 5 lbs., 25c.; 10 lbs., 60c.; 20 lbs., \$1.00; 100 lbs., \$4.50. Get special circular.

SPECIAL MANURES FOR HOUSE AND GARDEN PLANTS.

Peruvian Guano. This valuable food plant is put up in packages at 10 and 25 cents each. (If wanted by mail add 8c. postage on small package and 20c. on large.

Aimes' Chemical Manure, one of the finest fertilizers known for all kinds of pot plants; it appears to be an insecticide as well as a stimulant. Per canister, 40 cents; by post, 55 cents.

PREPARATIONS FOR THE DESTRUCTION OF INSECTS.

Whale Oil Soap, for preserving flowers, shrubs, vines and particularly rose bushes, from the destructive effects of slugs, grubs, worms, etc. In bars, 20 and 25 cents each.

Concentrated Chemical Tobacco Soap, made from essential oil of tobacco, for destroying insects on orange trees, also washing bark of trees, destroying the aphis or plant louse, bugs on roses, thrips on grape vines, mildew, slugs on pear trees; also an excellent article for destroying insects on dogs, sheep, etc. Per package, 30 and 50 cents each.

Gishurst Compound, (patented), for preventing and destroying red spider, mealy bug, mildew, green and brown fly, thrip, scale, blight, ants, etc. It is largely used by the leading horticulturists in Britain and America. Numerous testimonials accompany each box. Price, 50c. a box.

Hughes' Fir Tree Oil. This new insect destroyer has proved to be one of the most reliable for red spider, green fly, mealy bugs, scale, ants, thrip, onion fly, caterpillar, slugs, blight, etc. Per pint bottle, 75c.

Thomson's Styptic. A preparation for preventing the bleeding of vines, largely used by the leading horticulturists in Great Britain. Per bottle, \$1.00.

Hammond's Thrip Juice kills lice and scale. A concentrated liquid insecticide for destroying the lice, scale, caterpillars, mealy bugs, etc. Non-poisonous diluted with two hundred times its bulk. Arseniated, for orchard use, dilute it four hundred times its bulk with water. Pint cans, 40c.; quart cans, 75c.

JEYES' GARDENER'S FRIEND.**NON POISONOUS.**

An English manufacture, invaluable for spraying all fruit orchards, grape vines, currant, raspberry and gooseberry bushes, as it positively kills all insects that attack the fruit and cleanses trees thoroughly of bark lice, loose bark and decaying matter so detrimental, leaving them in a perfectly clean and healthy condition, thereby rendering them capable of receiving the nourishment required to a perfection of growth and fruitfulness.

It also kills insects that attack cauliflower, cabbage and onions, especially at the root, and can be applied to the most delicate foliage without injury to the plant.

Highest testimonials from the best practical authority in the Old Country and in Canada.

L. Burgoyne Pillen, L.D.S., England, Fellow Royal Horticultural Society positively says, after years experimenting: "Jeyes' Gardeners' Friend exterminates the American Blight and all insects injurious to all kinds of fruit trees and improves the constitution of the trees.

Full instructions with each package. Per bottle, 25 and 50 cents; postpaid 30 and 60 cents. Cheapness and non-poisonous two of its chief features.

HAMMOND'S SLUG SHOT

Is the most valuable Insecticide ever offered to Farmers or Gardeners, being fatal to insect life in every form in which they are injurious to vegetation.



It is in the form of an impalpable powder, containing agents that will positively destroy the Cut Worm, Potato Bug, Chinch Bug, Rose Bugs, Rose Slugs, Curculio, and all Lice, Worms or Caterpillar upon Melons, Cucumbers, Squash or Grape Vines, Tobacco, Cotton, or Egg Plants, Currants, Fruit or Ornamental Trees, and all Shrubs and Flowering Plants. It is especially destructive to the *Currant* and *Cabbage* Worm.

Slug Shot not only acts as an insect destroyer but it will be found to be an excellent fertilizer, as plants upon which it is used will be found to grow and look much finer than those upon which it is not. It contains nothing injurious to domestic animals, and does not deteriorate by age.

On low growing plants it should be dusted on with a very fine sifter. Canisters with perforated top, filled with *Slug Shot*, 30 cents each. By mail, 40 cents.

Price, 5 lb. package, 35c.....By mail, 75 cts. | Price, 10 lb. package65 cts.

In Barrels of about 225 lbs., per lb., 4 cents, in one barrel lots.

HAMMOND'S GRAPE DUST

IS A PREPARATION TO KILL THE

Destructive Mildew that Strikes the Grape Vine
Affecting Leaves, Fruit and Stems in Unfavorable Seasons
and Some Varieties More than others.



Also for like use upon any other plants or trees affected with Mold, Mildew or Rust Mites, and for any use where a Fumigatar or Antiseptic is required, either in greenhouses or the open air.

The composition above mentioned, "Grape Dust," is a compound which, so far as is yet determined, appears to be quicker and more effectual in its action than sulphur. Its diffusibility is great, one part of Grape Dust will spread itself over an extent equal to three parts of sulphur.

The application is to be made by dusting the diseased portions. To be thoroughly effectual, it must be applied reasonably frequent, as atoms of fungi are always spreading or floating. Apply the Grape Dust at the first appearance of trouble, so that some portion of this powder shall reach each minute spore. Apply the bellows, raising a cloud of dust, on a dry day. Its mildew killing properties are assured.

The price is as low, if not lower than sulphur, and it will spread further. It is applied with bellows. Grape Dust is put up in 5 lb. packages, at 10 cents per lb.; (if wanted by mail add 8c. per lb. to pay postage). Also in 100 lb. kegs and 200 lb. barrels.

Labor Saving Implements.

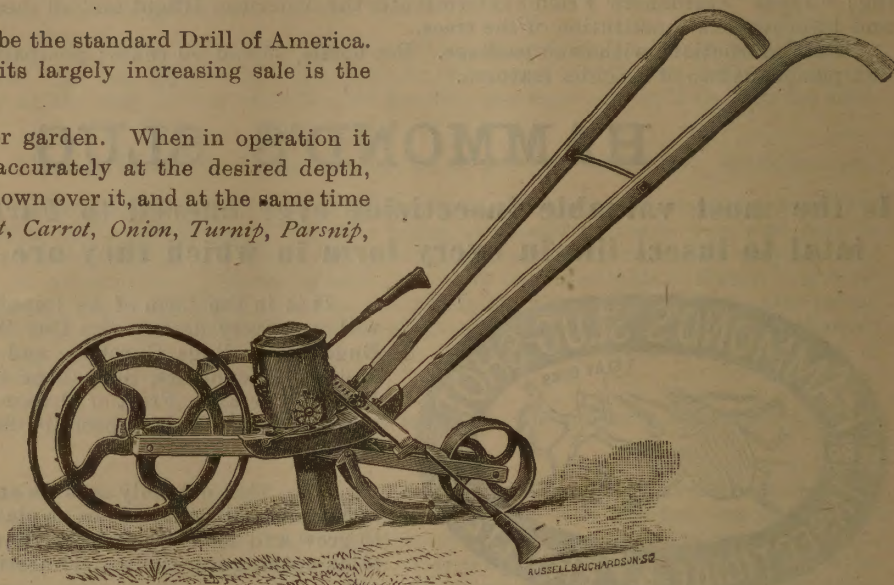
MATTHEWS' IMPROVED SEED DRILL.

Is everywhere acknowledged to be the standard Drill of America. It has been many years in use, and its largely increasing sale is the best evidence of its merit.

It is designed for use in field or garden. When in operation it opens the furrow, drops the seed accurately at the desired depth, covers it, and lightly rolls the earth down over it, and at the same time marks the new row. It will sow *Beet, Carrot, Onion, Turnip, Parsnip, Sage, Spinage, Sorghum, Peas, Beans, Fodder Corn, Broom Corn, Etc.*, with a certainty, regularity and rapidity impossible for the most skilful hand to do.

PRICE:

Boxed.....\$10 00

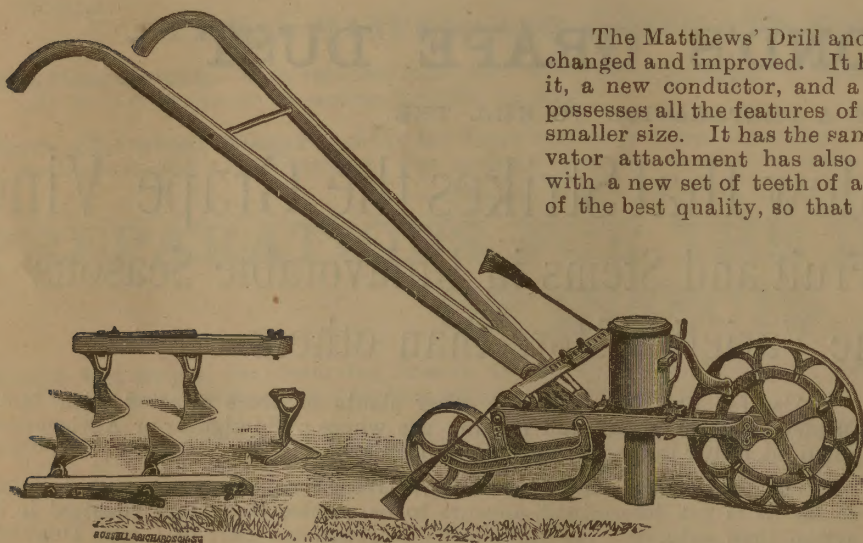


A special feature of the Matthews' Improved Seed Drill and also the Improved Combined Drill and Cultivator is the Shut-off Attachment, so that no seed is wasted in turning at end of rows. Connection is made from the handle to a slide beneath the hopper, allowing the operator to instantly stop the dropping of the seed at will.

MATTHEWS' IMPROVED DRILL AND CULTIVATOR. COMBINED.

The Matthews' Drill and Cultivator Combined has been greatly changed and improved. It has a larger wheel with a wider flange to it, a new conductor, and a new coverer, so that as a drill it now possesses all the features of the Matthews' Garden Seed Drill of a smaller size. It has the same patent indicator as that. The Cultivator attachment has also been greatly improved by providing it with a new set of teeth of an improved pattern, with **Steel Blades** of the best quality, so that as a cultivator it is now similar to the Matthews' Improved Hand Cultivator. Therefore, as now constructed, this machine cannot fail to prove very efficient for use, as either Drill or Cultivator, and will be found to be adapted to all kinds of soil.

We can furnish for the Matthews' Improved Drill and Cultivator Combined, if desired, a pair of superior style **HOES, WITH LONG STEEL BLADES**, for use in exchange with the Cultivator Teeth, which are easily and quickly adjusted.



PRICES:

Boxed.....\$11 00
Hoes, per pair.....1 50

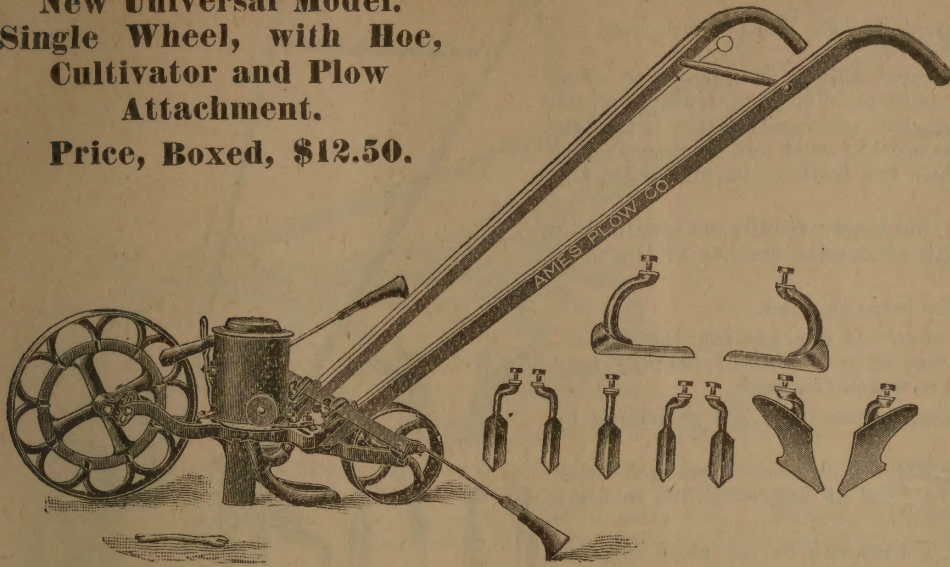
MATTHEWS' IMPROVED HAND CULTIVATOR.

The Matthews' Hand Cultivator has been greatly changed and improved. It is now made with a larger wheel and with a wider flange to it. It is also provided with a new set of teeth of an improved pattern, having **STEEL BLADES** of the best quality; and as now constructed will, we think, prove greatly superior to what it was before, and be found to be perfectly adapted for use in any kind of soil.

Matthew's Garden Drill.

**New Universal Model.
Single Wheel, with Hoe,
Cultivator and Plow
Attachment.**

Price, Boxed, \$12.50.



THIS desirable combination of the *Garden Drill* already described with the new Universal Cultivating Attachments is one which cannot fail of recommending itself to all. The Attachments are one pair Hoes, five Cultivator Teeth and one pair Plows. The seeding and covering apparatus can be readily removed, when the implement presents much the appearance of the New Universal Single Wheel Hoe, Cultivator and Plow, illustrated on page 66

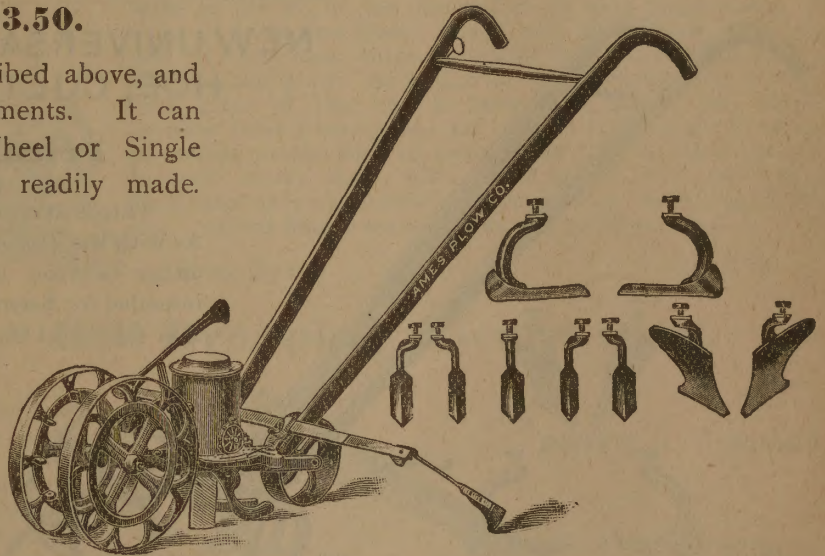
It is not necessary to remove the seed box, as the teeth can be inserted in the frame with this attached.

Matthew's Garden Drill.

New Universal Model, Double Wheel, with Hoe, Cultivator and Plow Attachments.

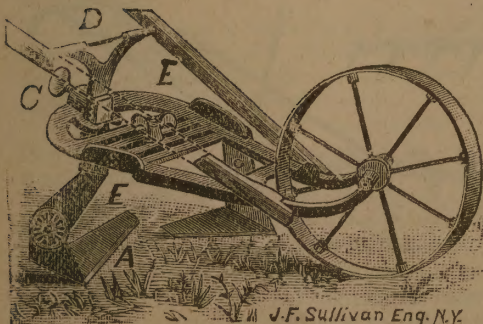
Price, Boxed.....\$13.50.

THIS is the same machine as described above, and has the same cultivating attachments. It can be used either as a double Wheel or Single Wheel machine, and change can be readily made. We do not particularly recommend a two-wheel seed sower, as the nicer work may be accomplished by a one-wheel machine. The two wheels are desirable however when used as a cultivator or wheel hoe, as in this way the rows of *young* plants may be straddled and the cultivating done on both sides of the row at one passing.



Ruhlman's Improved Hand Wheel Hoe.

Is the Best, Simplest and Most Perfect Weeder in Use.



J.F. Sullivan Eng. N.Y.
Ruhlman's Wheel Hoe.

One of the most satisfactory implements we have ever sold, doing to perfection the work for which it is designed. It is, as the manufacturer claims, the simplest weeder in use. We can safely say that no one will regret having given it a thorough trial. Onion growers should not be without it. It can be run within an inch of the rows without injury to the plants. The handles can be raised to suit, and the steel knife blades set to any pitch, and from 7 to 16 inches in width. A, the cast steel knife, corrugated so as to be set to any angle required, provided with prongs, as shown in cut, which lift and stir up the weeds and expose their roots to the air and sun as they slide over them. C, the thumb screw to raise and lower the handles to suit the operator. D, rigged brace for supporting and regulating the handles. E, thumb-screw for regulating blade shanks and holding front pad, which can be omitted or detached at will. Price, boxed, \$5.50.

THE NEW UNIVERSAL HAND DOUBLE WHEEL HOE, CULTIVATOR AND PLOW.

Price, Boxed, \$7.50.

Specially designed for working both sides of the row at one passing.

This new hand implement embraces all the good points of older efforts in the same line, and in addition offers new features which cannot fail of appreciation. The special recommendation is the *Adjustable Arch* by which not only the *depth* of work can be gauged, but which by an ingenious device enables the teeth to be pitched at any angle desired.

It can be pushed straight ahead, but better results are obtained by using it same as a scuffle hoe, with successive strokes of length to suit the nature of soil and crop.

It can be used either astride of or between rows.

TO WORK BOTH SIDES of row at one passing, the attachments can be set to suit width of crop to be cultivated, keeping road midway between wheels; no need to watch the teeth.

THE HOE BLADES can be set to turn in or out as desired by the operator.

THE CULTIVATOR TEETH. Four are furnished with each. Two cultivator teeth can be used at desired width to mark out rows.

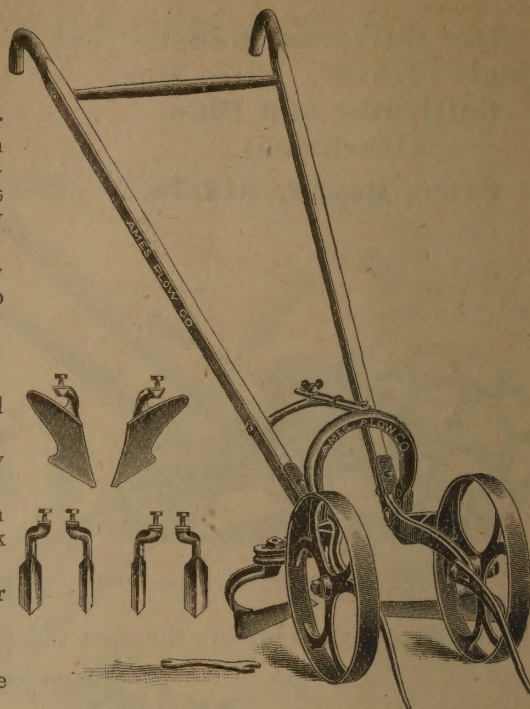
THE PLOWS. For furrowing they can be set close together and turn outward.

For covering, set to width desired and turn inward.

THE DEPTH can be regulated by adjusting wheel arms in the three holes provided on each side of Arch.

The depth can also be regulated by pitching the Arch by means of the Arch Brace and the Thumb Bolt where it connects to lower Handle Brace.

THE LEAF GUARDS are to prevent Wheels from injuring large spreading foliage.



NEW UNIVERSAL HAND SINGLE WHEEL HOE, CULTIVATOR AND PLOW.

Price, Boxed, \$6.50.

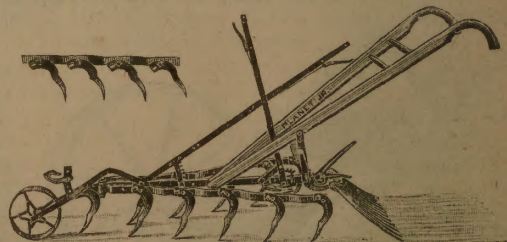
This is also an improvement over other tools of this type. As with the *Double Wheel Hoe* just described, it can be used either between or astride the rows, although it is really intended for between row cultivation. For straddle cultivation the wheel can be set to one side so as to bring the row of young plants under centre of frame. Later cultivation must be done between rows. The adjustment for graduating the depth of cultivation is unique and readily accomplished. The attachments are 1 pair Hoes, 5 Cultivator Teeth, 1 pair Plows and 1 Vine or Leaf Guard.



THE "PLANET JR." TWELVE TOOTH HARROW, CULTIVATOR AND PULVERIZER.

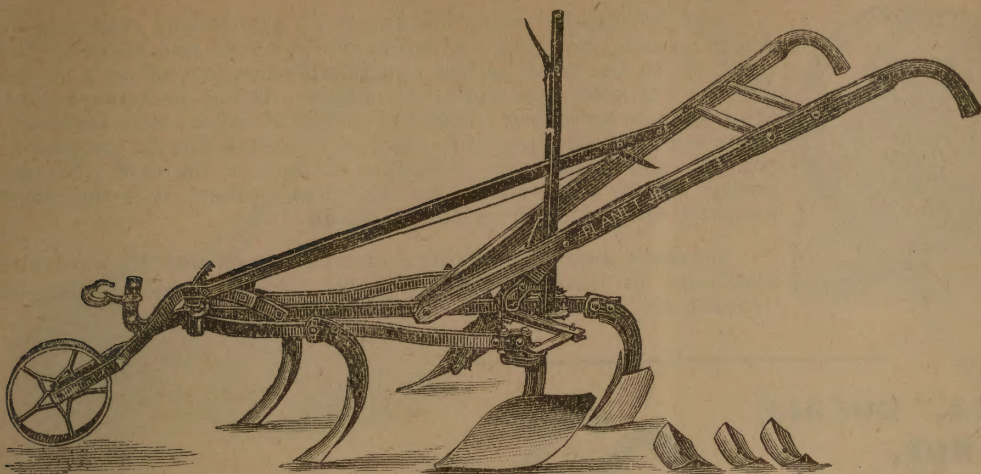
Price, Plain, \$8.50. With Wheel, \$10.25. Complete, \$12.00.

This new tool is offered as the very best known for its intended purpose. The frame is high. The blades are an inch wide, and of such shape as to work in the most thoroughly satisfactory manner, and to offer an unusual amount of wearing surface. The recurved throat of the tooth and the high frame prevent clogging. The reverse position is quickly given to the teeth by changing a single bolt in each. The frame is heavy and strong. The teeth are set straight with the line of motion at medium width, and are interchangeable. They may be worn off three inches before requiring renewal, and yet retain the original cutting width, and are cheaply replaced when worn. This tool has our lever expander and lever wheel, by which the depth and width may be changed instantly while in motion from 32 to 12 inches, and also a thorough pulverizer attachment, which leaves the ground in the finest condition. The pulverizer is controlled by a lever, which is operated instantly by the foot while in motion. For fine cultivation, either deep or shallow, or for working among small plants, this tool has no equal.



For fine cultivation, either deep or shallow, or for working among small plants, this tool has no equal.

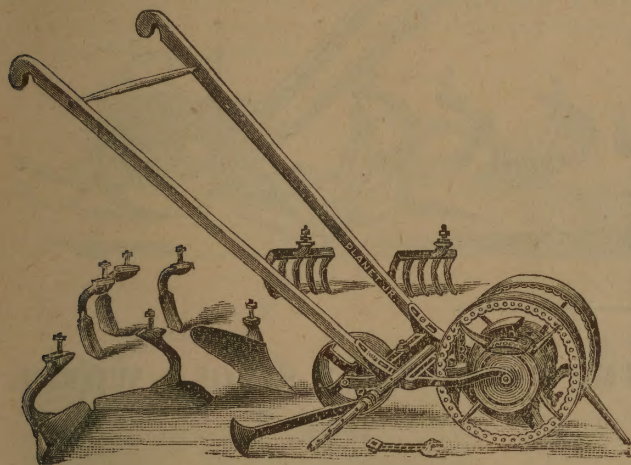
The Planet Jr. No. 6 Combined Horse Hoe and Cultivator.



This well known and popular tool, though acknowledged for years past to be the best in the market, has striking improvements for 1894. Chief among these are the *Lever Wheel*, a necessity for particular work; the patent *Lever Expander*, changing the width instantly; and *Handle Adjustment* for height, and also sidewise for use in grapes, pole beans, blackberries, nursery stock, etc., and when covering. It also has the patent parallel frame, interchangeable and adjustable *Hollow Steel* standards, reversible blades, sleeved bolt holes, etc. As a *Horse Hoe*, with side teeth reversed,

it cuts close to the row without injury to the roots, leaving but little and in many cases nothing for the hand hoe. As a *Cultivator*, the reversible teeth cut off and turn over the weeds in the most perfect style. As a *Hiller*, the side teeth work in combination with the rear shovel to perfection. **Price, \$12.00, without Wheel, \$10.50.** We can supply a large variety attachments for these machines, full description of which will be mailed on application

"THE PLANET JR." COMBINED DRILL, WHEEL HOE, CULTIVATOR AND PLOW, ETC.



This tool is unrivalled in beauty of design, perfection of finish, convenience and capacity for work; it is suitable for either the farm or the garden. As a Seed Drill it is the same as the No. 2 (see description on next page) except in size. It holds one quart. Each tool is supplied with one pair of long hoes, three reversible cultivator teeth and a large garden plow. As a Hoe it works safely and closely both sides of the row at once when plants are small; between rows when plants are large, working all rows up to sixteen inches wide at one passage. As a Plow it opens furrows, covers them, hills, plows to and from, etc. As a Cultivator it is admirably adapted to deep mellowing of the soil. All the blades are tempered and polished steel.

Price, boxed \$12 00

The "Planet Jr." Hill Dropping Garden Drill.

What the Drill will do. This drill will sow in a continuous row, in the ordinary way, with the greatest regularity; but its distinctive feature is that it will also drop neatly in hills, either four, six, eight or twelve inches apart. It opens the furrow, plants, covers, rolls down and marks the next row, all at one operation. The hopper holds two quarts. The wheels are fifteen inches high.

It is changed in a moment from hill dropping to drill work, by simply hooking up the "cut-off," and changed back again instantly by releasing it.

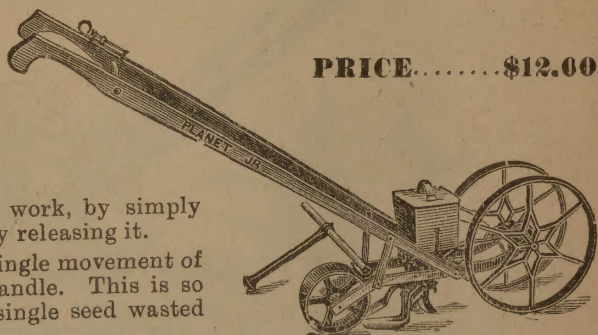
The flow of seed is stopped or started instantly by a single movement of the fore-finger, without pausing or taking the hand from the handle. This is so easily done that not one hill need be missed in starting, nor a single seed wasted in stopping.

The drill has a force feed; a peculiarly formed rubber double screw works over a diamond-shaped opening in the bottom of the hopper. While it sows with perfect regularity, the rubber feed wheel, revolving within a brass cylindrical shield, cannot injure delicate seed, such as radish, cabbage, etc., which are often peeled or crushed by drills having agitators or metal wheels. It sows equally well whether the hopper is full or contains only a paper of seed.

The setting is quickly and accurately done for the different seeds by a simple thumb-screw. An index-plate, with the names of the principal seeds, is placed at the top of the right handle, and the screw is turned until the indicator stands opposite the name of the one to be sown.

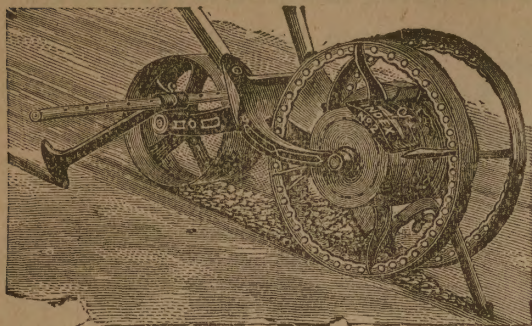
Advantages. The use of this tool insures vigorous plants at equal distances. Usually seed is sown much thicker than is needed, and the young plants thinned out. This waste of seed and labor is saved by this drill.

The construction of the drill insures perfect uniformity in its work. It is nicely adapted to all conditions of land, working especially well in fresh ground or when planting on a ridge, as it has two large driving wheels, placed six inches apart. This insures regular depth. The plow being adjustable and not following the wheel track, the covering is uniform; and the force feed insures regular planting. The plow opens a very narrow furrow, which is a great advantage in sowing onion seed.



PRICE.....\$12.00.

THE "PLANET JR." No. 2 SEED DRILL.



Sows all garden seeds accurately at any desired thickness or depth, opening, dropping, covering, rolling down and marking the next row in the most perfect and reliable manner, all at a single passage. It holds two-and-a-half quarts. It has no cams, covers, brushes, cogs, springs or shakers to get out of order; it is noiseless, automatic, self-cleaning and accurate; remarkable for simplicity, strength, and for ease and perfection of work in the field. No one having use for a Seed Drill can afford any other; it is the latest improved and best. Price boxed, \$9.00.

Truckers, market gardeners, onion growers, and all who raise vegetables in quantity should supply themselves also with the "Planet Jr," Double Wheel Hoe (described below).

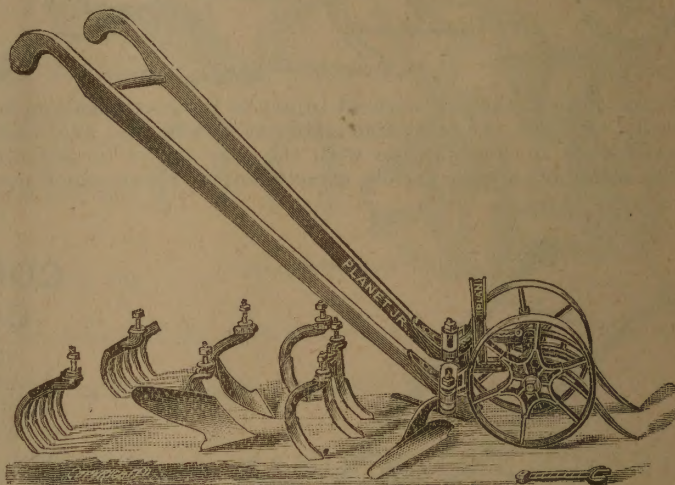
THE "PLANET JR." DOUBLE WHEEL HOE.

Cultivator, Rake and Plow Combined.

This tool is specially adapted to onion culture. It is light, strong, firm, quickly set and easily managed. Each tool is set out with two hoes, four cultivator teeth and two plows. The wheels are adjustable in height, can be set four, seven and ten inches apart, and the arch is 14 inches high, thus enabling the operator to work both sides of the row at once at the time when such work is most necessary. The tool is light, graceful, made of the best material and highly finished, and nothing can exceed the perfection and variety of work it performs.

Price, boxed \$8.00.

Plain Wheel Hoe 4.50.

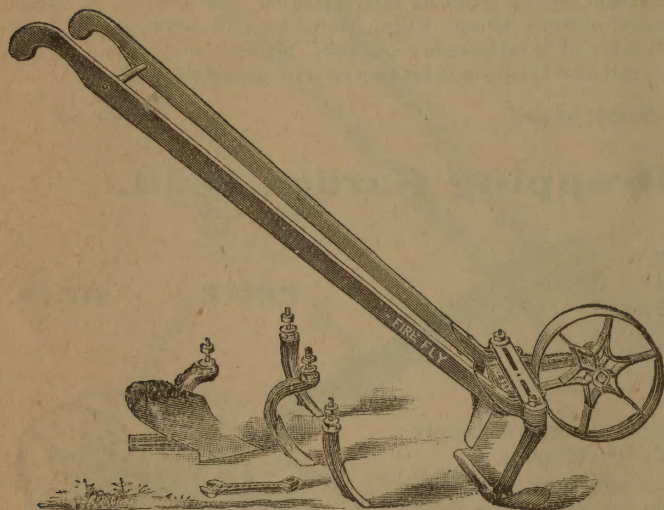


THE "FIRE FLY" SINGLE WHEEL HOE.

Cultivator and Plow Combined.

This convenient tool combines lightness and strength with great adjustability, it is highly polished and of the best tempered steel. The tools are: First, a pair of admirable hoes, which can be set to work to and from the row, and to any desired depth. Next, a set of three reversible cultivator teeth, to be used together or singly, or in conjunction with the hoes. Third, a large excellent garden plow. The whole tool is light, and strong, and capable of standing hard usage for years, while the price is its final recommendation.

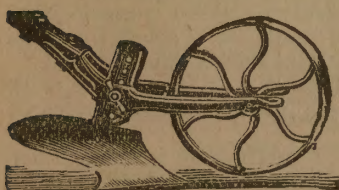
Price, boxed \$5.00.



THE "FIRE FLY" WHEEL GARDEN PLOW.

Makes the care of a Vegetable garden a pleasure, and 10,000 families who could not find time to keep a garden, if attempting its cultivation with the ordinary hand hoe, can raise their own vegetables successfully with the "Fire Fly." It takes the place of the horse and plow, or cultivator, requiring no headlands to turn on, and is invaluable during all the gardening season.

Price \$2 50.



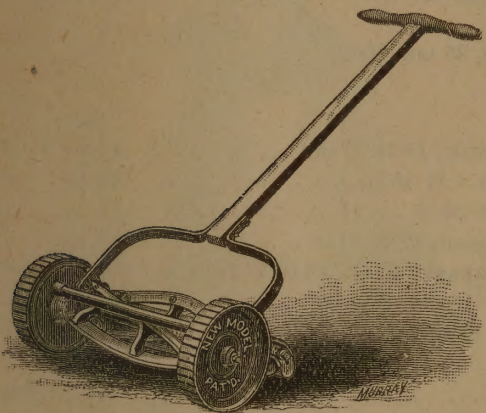
The "Planet Jr." No 6, Horse Hoe and Cultivator is the finest of the kind yet offered the public, and we strongly recommend it to all in want of such an implement. For particulars and cut, see page 67.



14 inch cut \$6 00
16 inch cut 6 50

THE "O. K."

This Lawn Mower has been thoroughly tested, and we have no hesitation in recommending it in every respect as a first-class machine. For lightness of draft, simplicity of construction and adjustment this Lawn Mower is a great success; its quality is unquestioned, and it is fully guaranteed.



NEW MODEL MOWER

16 inch cut.....\$11 00

For simplicity, durability and quality of work this Mower is superior to any in the market while for lightness of draft it excels any other Lawn Mower now manufactured.

All that mechanical skill can devise, or the experience of a score of years in the manufacture of Lawn Mowers could suggest are embraced in the construction of the New Model Lawn Mower.



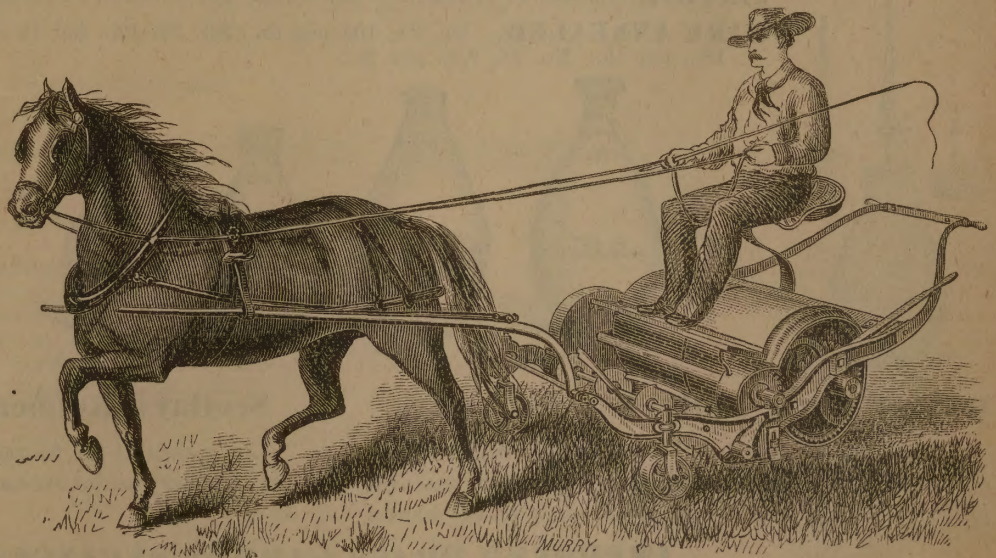
NEW MODEL HIGH WHEEL LAWN MOWER.

16 inch cut. ..\$12 00

The demand for a first-class Lawn Mower that WILL CUT HIGHER GRASS than the ordinary Mower has been apparent for some time, and in order to meet it we have this year brought out a new machine, which we call the NEW MODEL HIGH WHEEL. This machine has all the good qualities of our WORLD FAMED NEW MODEL LAWN MOWER, together with other new and useful improvements, especially adapted to a High Wheel Mower. It has a NOISELESS RATCHET, which we claim is the best ratchet ever used in a lawn mower, both as regards durability and efficiency. The driving wheels are ten inches in diameter. The revolving cutter is six inches in diameter and made entirely of malleable iron and steel. The BLADES BEING OF EXCEPTIONALLY HEAVY STEEL. In presenting this machine to you we fully guarantee it to be the best High Wheel Lawn Mower on the market.

EXCELSIOR HORSE LAWN MOWER.

We guarantee this machine to be the best Horse Lawn Mower manufactured, and that it will do perfect work. The Side-Draft Attachment, which is furnished with each Mower, allows the horse to walk only on the cut grass. The Sectional Castor Wheels on the Mower do not roll down the grass or leave marks on the lawn. As evidence of the superiority of our Horse Mower we have but to refer to the numerous public parks, college lawns, Government reservations and private grounds throughout this and other countries where our Mowers are in use, and the satisfaction they universally give.



Horse Boots, per set of four, \$12.00. 30 inch cut, with seat and shafts \$ 90 00
35 inch cut, with seat and shafts 110 00
40 inch cut, with seat and shafts 140 00

PLANET JR. GRASS EDGER, a splendid tool. Large size for Parks and Cemeteries, \$6.00, smaller size, \$4.00

GARDEN REQUISITES AND FLORISTS' SUPPLIES.

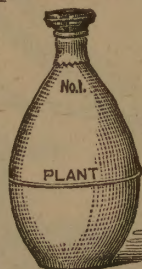
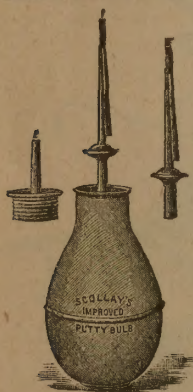
	Each.		Each.
Aphicides.....\$	\$ 50	Thermometers.....\$	50 to \$2 50
Asparagus Bunchers.....	2 25	Thermometers, Self-Registering.....	2 50
Atomizers and Sprinklers.....	50	Hoes, Garden.....	50 to 75
Florists' Companions.....	75	Hoes, Dutch or Scuffle.....	50 to 75
Weatherproof Pencils.....	20	Rakes, Best Cast Steel.....	50 to 1 50
Bellows, Garden.....	1 50	Rakes, Lawn.....	1 50 to 2 50
Baskets, Berry, per 100.....	50	Spades, English Parkes, No. 2....	1 50
Baskets, Plant, per 100.....	1 00	Spades, English Parkes, No. 3.....	1 75
Wreaths, metal.....	1 50	Thistle Spuds.....	30 to 50
Wreaths, Cup Flower.....	1 50	Forks, Manure.....	1 00 to 1 50
Plumes, Pampas.....	15	Reels, Garden.....	75
Bass Mats, Archangel.....	75	Lines, Garden.....	25 to 75
Roffea, for tying, per lb.....	40	Hooks, Bill.....	1 00 to 1 50
China Grass, for tying, per lb.....	40	Scissors, Flower Gatherers.....	50
Forks, Potato.....	1 25 to 1 50	Scissors, Grape Thinners.....	80
Hooks, Brier.....	1 00 to 1 50	Scissors, Grape Pruners.....	1 00 to 3 00
Knives, Pruning.....	90 to 1 50	Shears, Hedge.....	1 00 to 2 00
Knives, Budding.....	1 00 to 1 25	Shears, Grass Edging.....	1 00 to 2 00
Knives, Asparagus.....	1 00	Shears, Pruning.....	1 50 to 3 00
Knives, Gooseberry Pruners.....	1 00	Trowels, Transplanting.....	35 to 75
Saws, Pruning.....	1 00 to 1 50	Irons, Edging.....	1 25 to 1 50
Scythes, Patent Short Grass.....	1 25 to 1 50	Watering Pots.....	1 00 to 3 00
Scythe Stones, English.....	20	Garden Rollers.....	20 00 to 25 00
Scythe Stones, Common.....	10	Garden Ploughs.....	9 00 to 15 00
Shovels.....	1 20 to 1 50		

Grafting Wax, per pkg., 15 and 25c.; per tin, 25 and 50c.

FLORAL DESIGNS.

	Each.		Each.
Wreaths, 6 to 24 in.....\$	4 to \$ 25	Pillows, Double, 12 to 24 in.....\$	45 to \$1 00
Crosses, 8 to 26 in.....	4 to 18	Horse Shoes, 6 to 16 in.....	12 to 35
Anchors, 9 to 30 in.....	15 to 70	Sickles, 12 to 20 in.....	22 to 35
Stars, 7 to 24 in.....	12 to 45	Broken Column, 12 to 24 in.....	25 to 75
Maltese Crosses, 8 to 20 in.....	14 to 40	Square, Compass and G., 16 to 24 in....	50 to 85
Hearts, 8 to 20 in.....	12 to 35	Oddfellows' Links, 18 to 24 in.....	50 to 75
Pillows, Single, 12 to 20 in.....	22 to 40	Gates Ajar, 12 to 24 in.....	1 25 to 1 75

Other Designs Supplied.

IMMORTELLS, for Florists, purple or white, per bunch..... 40c.**TINFOIL** (subject to change). 5 inch wide, per lb., 20c.; 10 lb. lots, 15c. per lb.**WIRE ANNEALED.** No. 24, 10c per lb.; No. 26, 12c. per lb.; No. 28, 15c. per lb.; No. 30, 18c. per lb.; No. 36, 25c. per lb.

No. 1, \$1.25.



No. 2, \$1.15.



No. 3, \$1.00.



No. 4, 75c.



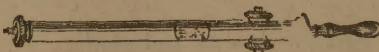
No. 1 Angle, \$1.25.

Rubber Putty Bulb. Price \$1.25.

Excellent for glazing. A pressure with the hand ejects the putty along the sash bars; makes tight and neat joint. Does not daub the glass nor stick to the hands.

Scollay's Rubber Plant Sprinklers.

Indispensable for Floral Work and Window Gardening, and very useful for dampening clothes or sprinkling in any way.

IMPROVED BRASS GARDEN SYRINGES.

No. 1—Ladies' Syringe, 16 in. barrel, each \$3.00. No. 2—Full size, 18 in. barrel, each \$3.50. No. 3—Full size, 18 in. barrel, improved rose, each \$4.00. No. 4—Full size, Reed's 18 in. barrel, ball valve, each \$5.00. Each Syringe has improved side screws attached.

Improved Zinc Syringe, for Fruit Trees, \$1.00 each.

The Little Giant Hand Broadcast Seed Sower

We feel justified in saying that we have the Best Hand Broadcast Seed Sower in the market. As can be seen by the illustration, it is simple in construction, light, strong and durable, and has a pressed tin distributing wheel, something found in no other sower, and the easiest running machine known, having no feed plate to carry, and weighing but three pounds complete.

TESTIMONIALS.

MR. EDWARD HOWELL, Jerseyville, writes: "The Grass Seeder I purchased from you has not an equal; it distributes evenly, is easily worked, in fact is par excellence, and exceedingly reasonable in price for work performed.

MR. THOS. CONNELL, Dundas, MR. SAM. HUNTER, Rockton, MR. ROBT. LYONS, Waterdown, and in fact all who have tried it, are unanimous in saying that it is the best Hand Seeder ever offered to the public.

Price.....\$2.50.



THE LITTLE GIANT GEARED HAND BROADCAST SEED SOWER

THE MOST CONVENIENT, SUBSTANTIAL,

AND

LATEST IMPROVED CRANK SEED SOWER IN THE
MARKET.

HAS A PRESSED DISTRIBUTING WHEEL, HAND HOLD ON
THE SIDE, AND NO FEED PLATE TO CARRY.

Satisfaction Guaranteed.

Price, \$3.50.

The Little Giant Hand Broadcast Seed Sowers will distribute Flax and Clover Seed thirty-six feet the round; Wheat, fifty feet to the round; Timothy Seed, twenty-seven feet to the round; Oats thirty-six feet to the round.



The "I. X. L. Automatic" Spray and Force Pump.

Unique, most practical, no foot fastening required. It is made of nickel-brass, galvanized iron tubing, extra large air chamber or reservoir, brass spring, pure rubber valves, saucer shaped, anti-clogging foot with strainer on top, and the sprays that go with it, warrant us in claiming that it is what has long been needed for spraying purposes. It will pump from the pail or will carry the material to be used, and will throw a stream twenty-five feet. The AUTOMATIC is otherwise generally useful; is first-class in construction, nicely finished, and at the price named should be acceptable to all. With the length of rubber hose attached to each pump it can be used for spraying roses, flowering shrubs and small fruits—something that no other pump of the same value will do. This AUTOMATIC Pump can be applied to a great variety of uses, and can be used as a Syringe. Our experience of last season gives us every confidence in making this guarantee.

Each.....\$3.00; post-paid \$3.50.

Direction for Use. When used in pail or barrel, the stop cock on top of air chamber must be closed. To fill the air chamber or reservoir with liquid for field, open stop cock until pumped full then close stop cock and use as shown in cut.



FOLDING PLANT PROTECTOR.

A Perfect Protection for Plants from Frost in Early Spring or Fall,

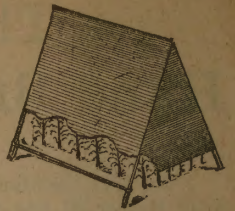
From the scorching rays of the sun, from the ravages of bugs and insects during the whole season of gardening.

The Folding Frame is made from two pieces of the best quality of Galvanized Iron Wire, it being complete with top, bottom, sides, and feet for holding it in position when in use.

It is covered with a top of Vegetable Plant Fibre Cloth, made expressly for its use.

When folded it is 18 inches by 14 inches; when in use it covers 14 by 16 inches, and is 16 inches high.

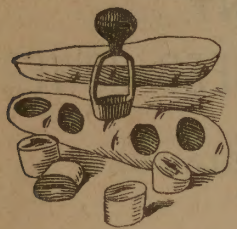
They are light, airy, strong and durable. Per doz, \$3.50.



Lang's Hand Weeder. The special advantages of this over all other weeders of this class are, that it has a band which passes over the fingers, which, when the tool is not in use, gives full use of the hand for pulling weeds and thinning out plants without laying down the tool. It is neatly and strongly made. **Price, 30 cents each.**

It Has Been Proven Conclusively
that Potatoes Cut to Single Eye give the
Largest and Best Results.

THE LIGHTNING POTATO EYE CUTTER,



does the work many times faster and is more accurate than the knife. It is guaged to cut enough flesh with each eye to strengthen and vitalize it and does the work in a scientific manner. No matter how small a crop you intend to plant, you should use this cutter.

Full Directions,

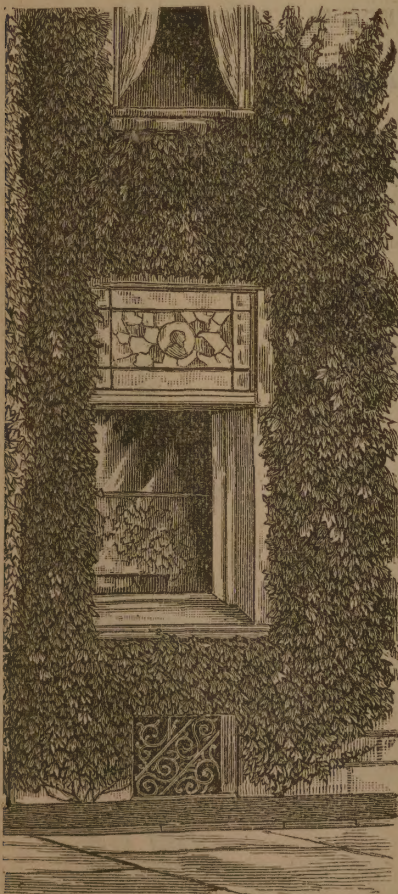
HOW TO PLANT POTATOES CUT TO ONE EYE.

and valuable points in POTATO CULTURE "by a practical Potato Grower," given with each cutter.

Price 30 CENTS By Mail Post Paid.

RUSTIC HORTICULTURAL WARE, HYACINTH GLASSES, ETC.

	Each.	
Rustic Vases.....	\$	75
Rustic Vases, large.....		1 25
Ivy Leaf Flower Pots, 5 to 9 in.....	50 to	1 00
Bulrush Flower Pots, 5 to 7 in.....	50 to	1 00
Granite Flower Pots, 5 to 9 in.....	50 to	1 00
Oak Flower Pots, 5 to 9 in.....	50 to	1 00
Ash Flower Pots, 6 to 8 in.....	75 to	1 00
Crocus Pots, 6 to 12 in.....	1 00 to	2 00
Ivy Leaf Fern Stands, 7 to 8 in.....	75 to	1 00
Perfect Fern Stands, 10 to 12 in.....	2 00 to	3 00
Stump Ferneries		2 50
Common Flower Pots, per doz.....	25 to	4 00
Hyacinth Glasses, plain pattern	20 to	50
Hyacinth Glasses, ornamental pattern.....	30 to	2 00
Bell or Propagating Glasses.....	40 to	1 00
Cucumber Glasses.....	75 to	1 00
Expanding Wooden Pot Covers.....	15 to	40
Button-Hole Bouquet Holders.....		5



Ampelopsis Veitchi (Boston Ivy).

Ampelopsis, Veitchi (Japanese Ivy).

This handsome and rapid-growing climber, generally known as Boston Ivy, is adapted for covering brick or stone houses or walls. Its foliage, which is a lively green in summer, changes in autumn to brilliant crimson, producing a most gorgeous effect. It will, in a short time, entirely cover the side of a large building, and far surpass the Ivy. 25 cents each. \$2.50 per dozen.

Bulbs for Fall Planting.

In the months of August and September we receive our importations of Dutch, French and Bermuda Bulbs for winter and spring blooming; these beautiful flowers, with their delightful fragrance, are growing in popularity every year. Our collection comprises: Splendid assortment of Hyacinths, choice collection of Tulips, rare varieties of Narcissus and Daffodils, Japan and Bermuda Lillies, and other Bulbs in great variety.

Write for our Illustrated Catalogue, published in September.

CUT FLOWERS.

Bouquets for Marriages, Balls and Dinner Parties made up of the choicest flowers and in the most artistic style; also Wreaths, Crosses, Anchors and other designs for funeral purposes. Orders promptly executed and carefully packed for distant points.



BRUCE'S PREMIUM PANSY.

A selection of all the finest varieties of recent introduction.

PER PACKET, 25 CENTS.

The best time for sowing Pansy seed, if the plants are wanted to bloom early in the spring, is from August to October; for summer and fall blooming, sow from January to June. Plant the seed in any garden soil, cover not more than one-quarter inch, and keep them *moist and well shaded* until they are up (from seven to fourteen days). Not later than six weeks after germinating transplant them in good ground, well pulverized and enriched with plenty of *old* decomposed cow manure. Water freely in dry weather, and shade them, if possible to do so, during the hot season.

Pansies are quite hardy and will stand almost any amount of cold if protected from the bleak winds. A cold frame is the most suitable place to winter them. If sash is used for covering, which should only be done in freezing weather, they must be aired freely whenever the weather permits. In spring, as soon as the frost is out of the ground, they can be planted outdoors, where they will soon commence to unfold their beautiful flowers. Pansies thrive best while the weather is not too warm; dry, excessive heat is their greatest enemy.

BRUCE'S COLLECTION OF
SWEET PEAS SHOWING THE NEW WHITE VARIETY

Emily Henderson

COLLECTION OF
12
FINEST VARIETIES 40¢

ALL COLORS MIXED
PER PKT. 5¢ PER OZ. 10¢

EMILY HENDERSON
PER PKT. 15¢ PER OZ. 50¢

John A. Bruce & Co.

EXPORT CLOVER AND GRASS SEED MERCHANTS.

Hamilton, Canada.